

2011/2012



Reliable & Energy Efficient Ventilation and Thermal Comfort Solutions



www.schaeferfan.com
1.800.779.3267

Celebrating
60 Years
of Product & Service
Excellence

Schaefer has been providing ventilation and other thermal comfort solutions since 1951. During this time we've worked hard to earn and maintain our reputation for quality products and service.

We do this in a number of ways.

Innovation. With research and customer feedback we have developed an extensive line of innovative products to fill our customers' needs.

Integrity. All product performance data is obtained on AMCA calibrated test stations and validated at objective 3rd party AMCA testing facilities.

Quality. We provide durable products that are engineered for maximum efficiency and long life.

Value. We take great pride in offering the best products at a great price.

Service. We handle the details that make a difference to our customers; from the knowledge and accessibility of our customer care representatives to the way products are packaged and shipped on time.

Partners. Our business could not be successful without our partners in selling. Each partner shares our passion for customer service and delivering complete solutions to our mutual customers.

People. Schaefer's sales, customer service, marketing, production, engineering, procurement, shipping, and administrative staff are committed to delivering innovative, high quality products and providing great customer service. Our employees take great pride in what they do and it shows.

Mailing Address:

P.O. Box 460, Sauk Rapids, MN 56379

Shipping Address:

1 Industrial Blvd. Suite 101
Sauk Rapids, MN 56379

Phone Numbers:

(800) 779-3267

(320) 251-8696

Fax: (320) 251-2922

E-Mail Address:

sales@schaeferfan.com

www.schaeferfan.com

Hours of Operation:

Monday through Friday

8:00 a.m. to 5:00 p.m. Central Time

Thank you for your interest in Schaefer!



Table of Contents



CIRCULATION FANS

Pages 2-10



EXHAUST FANS

Pages 11 - 15



SHUTTERS AND VENTS

Pages 16 - 17



IN-LINE FANS AND BLOWERS

Page 18



MISTING FANS

Pages 19 - 20



PORTABLE AIR CONDITIONERS

Page 21



PORTABLE EVAPORATIVE COOLERS

Pages 22 - 23



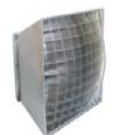
WET WALLS EVAPORATIVE COOLING

Pages 24



SOAKING SYSTEMS

Pages 25



RADIANT HEATERS

Pages 26 - 27



ENVIRONMENTAL CONTROLS

Page 28



PARTS AND ACCESSORIES

Pages 29-31



SCHAEFER WARRANTY

Page 32

Deep Guard Circulation Fans



VK8



VK20



VK12TF-SPM



VS36VKWO

Deep Guard Circulation Fans

Formerly known as a Barn Kooler®, Plant-Air® or Versa-Kool®

Reduce heat stress and increase productivity with Schaefer circulation fans. The deep guard design allows for greater air movement at very low noise levels. Improve air quality and working conditions by strategically placing Versa-Kool® circulation fans using optional wall or ceiling mounts.

The VK12 is Schaefer's #1 greenhouse and tent horizontal air flow (HAF) fan.

Features & Benefits

- Available in 8" to 36" diameters.
- Extremely rugged guards and housings for long life.
- Patented deep guard spacing and custom engineered blades result in greater air movement at lower noise levels.
- Depth of front guard makes fan extremely safe, but not OSHA compliant if mounted below seven feet.
- Steel guards are powder coated over zinc for corrosion resistance.
- Heavy-duty, totally enclosed, maintenance free motors.
- Variable speeds with optional motor speed control (see models with * below).
- A wide variety of mounting options for easy installation.
- OSHA guards available on 36" models.
- Two-year limited warranty.
- Made in the USA.

Model	Description	Mount	Cord	HP	Volts	Amps	CCFM	RPM	Wt.
8" - 24" Versa-Kool® Circulation Fans									
VK8	8" Fan	Y	Y	1/100	115	0.6	448	1550	8
VK12*	12" Fan	Y	Y	1/10	115/230	1.3/.65	1554	1725	18
VK12-GA*	12" Fan, galvanized guards	Y	Y	1/10	115/230	1.3/.65	1554	1725	18
VK20*	20" Fan	Y	Y	1/3	115/230	3.8/1.9	5156	1725	37
VK20-GA*	20" Fan, galvanized guards	Y	Y	1/3	115/230	3.8/1.9	5156	1725	37
VK24*	24" Fan	Y	Y	1/2	115/230	4.8/2.4	7748	1725	46
12" Versa-Kool® Pole Mounted Fans									
VK12TF-SPM*	12" Fan, standard pole mount	Y	Y	1/10	115/230	1.3/.65	1554	1725	18
VK12TF-TPM*	12" Fan, twin tube pole mount	Y	Y	1/10	115/230	1.3/.65	1554	1725	18
VK12TF-CPM*	12" Fan, channel pole mount	Y	Y	1/10	115/230	1.3/.65	1554	1725	18
36" Versa-Kool® Wall Mount Oscillating Fans									
VS36VKWO	36" Versa-Kool® wall mount fan	Y	Y	1/2	115/230	6.0/3.5	11,000	825	126
VS36VKWO-B	36" Versa-Kool® wall mount fan (black)	Y	Y	1/2	115/230	6.0/3.5	11,000	825	126

*Variable speeds with optional motor speed control.

• Circulation cubic feet per minute (ccfm) performance numbers tested in accordance to AMCA 230 standards as circulation fans. Performances may vary. • All models are direct-drive.

Other motor and blade combinations available, [please call Customer Care at 1.800.779.3267](tel:18007793267).





VK36

36" Versa-Kool® Yoke Mount Circulation Fans

Formerly known as a Barn Cooler®, Plant-Air® or Versa-Kool®

This durable fan features a unique high air flow design with non-restrictive guards. Fans are lightweight for easy installation, rollable for easy movement, and stackable for easy storage. There are no belts to replace, pulleys to adjust or bearings to grease.

- Heavy-duty, totally enclosed, thermally protected, pre-lubricated ball bearings, maintenance free motor.
- Depth of front guard makes fan extremely safe, but not OSHA compliant if mounted below seven feet.
- Galvanized fan blade.
- Includes 16" T-shaped powder coated steel mounting bracket.
- OSHA guards available on 36" models.

Model	Description	Mount	Cord	HP	Volts	Amps	CCFM	RPM	Wt.
VK36	36" Fan/solid sided housing	Y	N	1/2	115/230	6.0/3.5	12,709	825	70
VK36-3	36" Fan/solid sided housing, 3-phase	Y	N	1/2	230/460	2.6/1.3	11,469	825	70



VKC36

36" Versa-Kool® Chain Mount Circulation Fans

This durable fan features a unique high air flow design with non-restrictive guards. Fans are lightweight for easy installation, rollable for easy movement, and stackable for easy storage. There are no belts to replace, pulleys to adjust or bearings to grease.

- Heavy-duty, totally enclosed, thermally protected, pre-lubricated ball bearings, maintenance free motor.
- Depth of front guard makes fan extremely safe, but not OSHA compliant if mounted below seven feet.
- Galvanized fan blade.
- Eye bolts for chain mounting.
- OSHA guards available on 36" models.

Model	Description	Mount	Cord	HP	Volts	Amps	CCFM	RPM	Wt.
VKC36	36" Versa-Kool® fan/solid sided housing	N	N	1/2	115/230	6.0/3.5	13,324	825	71
VKC36-3	36" Versa-Kool® fan/solid sided housing, 3-phase	N	N	1/2	230/460	2.6/1.3	11,469	825	71



36DF

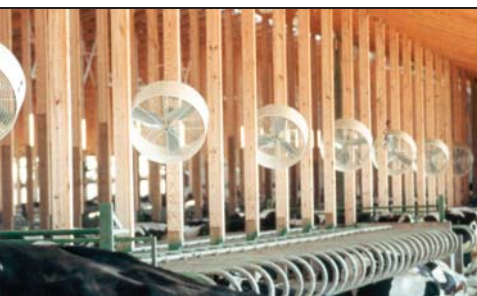
36" Direct Flow Basket Fans

This is Schaefer's most popular dairy circulation fan. The wire cage design of this fan causes air to discharge in a direct flow, to provide a concentrated area of cooling power. There are no belts to replace, pulleys to adjust or bearings to grease.

- Heavy-duty, totally enclosed, thermally protected, pre-lubricated ball bearings, maintenance free motor.
- Non-restrictive fan guards are not OSHA compliant if mounted below seven feet.
- Galvanized fan blade.
- Includes 19" T-shaped powder coated steel mounting bracket.
- Available with 50Hz motors for export markets.

Model	Description	Mount	Cord	HP	Volts	Amps	CCFM	RPM	Wt.
36DF	36" Direct air flow fan	Y	N	1/2	115/230	6.0/3.5	13,324	825	70
36DF-3	36" Direct air flow fan, 3-phase	Y	N	1/2	230/460	2.4/1.2	13,151	825	70

• Circulation cubic feet per minute (ccfm) performance numbers tested in accordance to AMCA 230 standards as circulation fans. Performances may vary. • All models are direct-drive.





36", 48" and 52" Galvanized Panel Fans

These heavy-duty galvanized panel fans are mainly used in agricultural buildings requiring large volumes and velocities of air movement. Ideal for freestall barns, feed lines, parlors and holding pens. Mount seven feet or higher; un-guarded.

- Lab tested design for maximum performance and quiet operation.
- Heavy-duty, totally enclosed, maintenance free, energy efficient motors.
- Gates Tri-Power® molded notch belts with special Vextra® construction and automatic tensioner standard on all models.

363P12DD

Model	Description	Blade Type	HP	Volts	Amps	CCFM
363P12	36" Belt-drive galvanized panel fan	3-wing galvanized	1/2	115/230	5.2/2.6	11,900
363P12DD	36" Direct-drive galvanized panel fan	3-wing galvanized	1/2	115/230	6.0/2.5	15,873
363PHV	36" Belt-drive galvanized high velocity panel fan	3-wing galvanized	1	115/230	10.0/5.0	22,913
365P12	36" Belt-drive galvanized panel fan	5-wing galvanized	1/2	115/230	5.2/2.6	10,900
483P1	48" Belt-drive galvanized panel fan	3-wing galvanized	1	115/230	10.0/5.0	22,730
486P1	48" Belt-drive galvanized panel fan	6-wing galvanized	1	115/230	10.0/5.0	23,609
523GP1	52" Belt-drive galvanized panel fan	3-wing galvanized	1	115/230	10.0/5.0	31,119
523GP1C	52" Belt-drive galvanized panel fan	3-wing cast aluminum	1	115/230	10.0/5.0	31,119
523GP112	52" Belt-drive galvanized panel fan	3-wing galvanized	1-1/2	208-230	6.7-6.2	35,864

• Tested in accordance with AMCA 230 Standard as circulation fans. Performances may vary. • All models available in three-phase.
• Mount fans without OSHA guards seven feet or higher.



52" Polymer Panel Fans

These high impact strength polymer panel fans are designed for agricultural buildings requiring large volumes of high velocity air, maximum cfm/watt efficiency, and extremely long life.

- Polymer housing will not crack, chip, fade or rust.
- Heavy-duty, totally enclosed, maintenance free, and energy efficient motors.
- Choice of galvanized, stainless, or cast aluminum blade.
- Gates Tri-Power® molded notch belts with special Vextra® construction and automatic tensioner standard on all models.

523P1

Other
fan, motor,
and blade
combinations
available.

Model	Description	Blade Type	HP	Volts	Amps	CCFM
523P1	52" Belt-drive panel fan	3-wing galvanized	1	115/230	10.0/5.0	32,122
523P1-3	52" Belt-drive panel fan, 3-phase	3-wing galvanized	1	200-230/460	3.3-3.4/1.7	30,985
523P1C	52" Belt-drive panel fan	3-wing cast aluminum	1	115/230	10.0/5.0	31,618
523P1C-3	52" Belt-drive panel fan, 3-phase	3-wing cast aluminum	1	200-230/460	3.3-3.4/1.7	31,794
523P1SS	52" Belt-drive panel fan	3-wing stainless steel	1	115/230	10.0/5.0	32,122
523P1SS-3	52" Belt-drive panel fan, 3-phase	3-wing stainless steel	1	200-230/460	3.3-3.4/1.7	32,537
525P1	52" Belt-drive panel fan	5-wing galvanized	1	115/230	10.0/5.0	28,051
525P1-3	52" Belt-drive panel fan, 3-phase	5-wing galvanized	1	200-230/460	3.3-3.4/1.7	31,283

• Tested in accordance with AMCA 230 Standard as circulation fan. Performances may vary. • Mount models without OSHA guards seven feet or higher.



NEW for 2011!



VS24VKM-2-OSHA



VS36VKT

Versa-Kool® Mobile Circulation Fans

The Versa-Kool® line of high velocity portable fans features a rugged polyethylene housing designed for years of hard use. This housing resists dents and corrosion and does not rattle. Choose from our standard roll around, unique tiltable or mobile oscillating models. Use for general ventilation and spot cooling at points of high heat production. Long air throw allows "cooling from a distance". A single Versa-Kool® mobile fan will take the place of several lower performance fans.

- Very quiet. Extremely high air flow and air throw.
- Single and two-speed models available.
- Rugged polyethylene fan housing available in white or black.
- UL approved five foot power cord.
- Depth of fan makes fan extremely safe but not OSHA compliant.
- OSHA compliant guards available.
- Add a mist ring for additional cooling.
- Two-year limited warranty.
- Made in the USA.



VS36VKO

Model	Description	Speed	HP	Volt	Amps	Drive	CCFM	RPM	Wt.
Versa-Kool® Mobile and Tiltable Fan									
VS24VKM-OSHA	24" Mobile fan	1	1/2	115	5.2	Direct	5790	1075	48
VS24VKM-2-OSHA	24" Mobile fan	2	1/2	115	5.2	Direct	5790	1075	48
VS36VKM*	36" Mobile fan	1	1/2	115/230	6.0/3.5	Direct	11,000	825	85
VS36VKM-2	36" Mobile fan	2	1/2	115	6.0/3.0	Belt	9490/6585	1725/1140	105
VS36VKT*	36" Tiltable fan	1	1/2	115/230	6.0/3.5	Direct	11,000	825	107
VS36VKT-2	36" Tiltable fan	2	1/2	115	6.0/3.0	Belt	9490/6585	1725/1140	127
VS42VKM-2	42" Mobile fan	2	3/4	115	9.3/5.3	Belt	18,600/14,100	1725/1140	130
Versa-Kool® Mobile Oscillating Fans									
VS36VKO*	36" Mobile fan	1	1/2	115/230	6.0/3.5	Direct	11,000	825	178
VS36VKO-2	36" Mobile fan	2	1/2	115	6.0/3.0	Belt	9490/6585	1725/1140	198

* Models available in black. Add "-B" to part number to specify black color.

• All fans available with OSHA guards. Add OSHA to part number to specify OSHA guards.

36" & 48" Heavy-Duty Industrial Mobile Box Fans



MOB36512-2

Schaefer's rugged mobile box fans are ideal for spot cooling or portable exhaust applications. They are "ultra quiet" with high CFM output. The front and back guards are OSHA compliant. The two-speed, single phase motor is totally enclosed, with automatic thermal protection. Includes an on/off switch and a UL approved nine foot cord.

- 16 gauge galvanized steel housing.
- Five inch heavy-duty caster wheels for easy movement (two lockable).
- Industrial type sealed bearings, cast iron, greasable.
- Heavy-duty handle for easy movement.
- Two-year limited warranty.
- Made in the USA.

Model	Description	Speed	HP	Volts	Amps	CCFM	RPM	Wt.
MOB36512-2	36" Mobile box fan	2	1/2	115	6.0/3.0	9556/6315	1725/1140	255
MOB4861-2	48" Mobile box fan	2	1	115	11.4/6.4	20,679/13,666	1725/1140	270





24CFO

OSHA Compliant Circulation Fans

Stir things up with Schaefer's high performance OSHA compliant circulation fans. These fans are engineered to deliver maximum air for the input power without sacrificing fan life. These two-speed fans are ceiling, wall, pedestal and cart mountable and come complete with a 10' grounded cord. Available with 50Hz motors for export markets.

Features & Benefits

- Available in 20", 24", 30" and 36" diameters.
- OSHA compliant guards are powder coated over zinc for long life.
- Maximum airflow and fan life due to careful matching of motors and fan blades.
- Totally enclosed, air over, maintenance free, heavy-duty ball bearing, permanent split capacitor, internally thermally protected two-speed motors for long life.
- A wide variety of carts, pedestals and mounting options are available.
- Two-year limited warranty.
- Made in the USA.

OSHA Compliant Industrial Fan Heads

Model	Description	Speed	HP	Volts	Amps	CCFM	RPM	Wt.
20CFO	20" OSHA fan head	2	1/4	115	2.9/1.6	3896/2857	1100/800	30
24CFO	24" OSHA fan head	2	1/4	115	2.9/1.6	5281/3845	1100/800	34
30CFO	30" OSHA fan head	2	1/2	115	5.2/2.8	9424/6996	1075/800	53
36CFO	36" OSHA fan head	2	1/2	115	5.2/2.8	12,121/8753	1075/800	59

- Oscillating fans not available at time of printing, due to motor supply issues. Please call Schaefer for updates.
- Circulation cubic feet per minute (cfm) performance numbers tested in accordance to AMCA 230 standards as circulation fans. Performances may vary. • All models are direct-drive.
- All fans available in white or black. Add "-B" to part number to specify black color.



24PF and 30PF with optional FP-Wheelkit

24FC

OSHA Compliant Pedestal Fans and Fan Carts

Are you tired of replacing your imported fans every few months? Use Schaefer portable fans in environments requiring quiet, powerful, efficient and long lasting portable air movement. Add mist for additional cooling!

Use these rugged portable fans in warehouses, work areas, loading docks, greenhouses, farms, and other locations where quality matters.

Fan Head	Square Pedestal	Round Pedestal	Fan Cart
20CFO	20PF	20PFR	20FC
24CFO	24PF	24PFR	24FC
30CFO	30PF	30PFR	30FC
36CFO	36PF	36PFR	N/A

- Add an optional wheel kit to square pedestal base by ordering FP-Wheelkit.
- All fans available in white or black. Add "-B" to part number to specify black color.

Other motor and blade combinations available, [please call Customer Care at 1.800.779.3267](tel:18007793267).





24CFO-EWDS

Built tough to withstand pressure washing and harsh environments.

Washdown Duty OSHA Compliant Circulation Fans

Increase safety and productivity in work areas where strict hygiene requirements exist with stainless steel and washdown duty air circulators from Schaefer Ventilation. These single speed, direct drive fans have stainless steel guards, stainless steel or polypropylene blades and a choice of all stainless steel, anodized aluminum or epoxy-coated washdown duty motors. They are ideally suited for kitchens, hospitals, food and beverage processing facilities, and other clean, corrosive or humid environments.

Features & Benefits

- 3 motor types available:
EWD • USDA® approved non-toxic white epoxy coated washdown duty. (1-year warranty.)
SWD • All stainless corrosive environment washdown duty. (2-year warranty.)
VWD • Extruded anodized aluminum high temperature environment washdown duty. (3-year warranty.)
- Electro-polished 304 stainless steel, OSHA compliant guards.
- Stainless steel or polypropylene blades.
- Maximum airflow and fan life due to careful matching of motors and fan blades.
- Totally enclosed air over maintenance free, heavy-duty ball bearing, permanent split capacitor, internally thermally protected motors designed to withstand pressure washing and harsh environments.
- Durable, stainless steel wall and ceiling mounting options available. (UWMT-SS & VS30FMT-SS. See page 29)

Model	Size	Motor	Blade	HP	Volts	Amps	CCFM
12CFO-EWDP	12"	Epoxy coated	Poly	1/3	115/230	4.9/2.5	1680
12CFO-EWDP-3	12"	Epoxy coated	Poly	1/3 - 3-Phase	208-230/460	1.9-1.8/0.9	1747
12CFO-VWDP	12"	Anodized aluminum	Poly	1/3	120	3.4	1678
12CFO-VWDP-3	12"	Anodized aluminum	Poly	1/3 - 3-Phase	240/420	1.7/1.0	1724
16CFO-EWDP	16"	Epoxy coated	Poly	1/3	115/230	4.9/2.5	3409
16CFO-EWDP-3	16"	Epoxy coated	Poly	1/3 - 3-Phase	208-230/460	1.9-1.8/0.9	3508
16CFO-VWDP	16"	Anodized aluminum	Poly	1/3	120	3.4	3449
16CFO-VWDP-3	16"	Anodized aluminum	Poly	1/3 - 3-Phase	240/420	1.7/1.0	3579
20CFO-EWDP	20"	Epoxy coated	Poly	1/3	115/230	4.9/2.5	4922
20CFO-EWDP-3	20"	Epoxy coated	Poly	1/3 - 3-Phase	208-230/460	1.9-1.8/0.9	5036
20CFO-VWDP	20"	Anodized aluminum	Poly	1/3	120	3.4	5129
20CFO-VWDP-3	20"	Anodized aluminum	Poly	1/3 - 3-Phase	240/420	1.7/1.0	5365
24CFO-EWDS	24"	Epoxy coated	Stainless steel	1/2	115/208-230	7.4/4.3-3.7	7789
24CFO-EWDS-3	24"	Epoxy coated	Stainless steel	1/2 - 3-Phase	208-230/460	2.5-2.0/1.0	7700
24CFO-EWDP	24"	Epoxy coated	Poly	1/2	115/208-230	7.4/4.3-3.7	7789
24CFO-EWDP-3	24"	Epoxy coated	Poly	1/2 - 3-Phase	208-230/460	2.5-2.0/1.0	7451
24CFO-SWDP	24"	Stainless steel	Poly	1/2	115/230	8.2/4.1	7307
24CFO-SWDP-3	24"	Stainless steel	Poly	1/2 - 3-Phase	208-230/460	1.5-1.6/0.8	7446
24CFO-SWDS	24"	Stainless steel	Stainless steel	1/2	115/230	8.2/4.1	6855
24CFO-SWDS-3	24"	Stainless steel	Stainless steel	1/2 - 3-Phase	208-230/460	1.5-1.6/0.8	6913
24CFO-VWDP	24"	Anodized aluminum	Poly	1/2	120	6.7	7881
24CFO-VWDP-3	24"	Anodized aluminum	Poly	1/2 - 3-Phase	240/420	2.4/1.4	8342
30CFO-EWDS	30"	Epoxy coated	Stainless steel	1/2	115/208-230	7.4/4.3-3.7	7789
30CFO-EWDS-3	30"	Epoxy coated	Stainless steel	1/2 - 3-Phase	208-230/460	2.5-2.0/1.0	9500
30CFO-VWDP	30"	Anodized aluminum	Poly	1/2	120	6.7	10,143
30CFO-VWDP-3	30"	Anodized aluminum	Poly	1/2 - 3-Phase	240/420	2.4/1.4	11,567
30CFO-SWDS	30"	Stainless steel	Stainless steel	1/2	115/230	8.2/4.1	9488
30CFO-SWDS-3	30"	Stainless steel	Stainless steel	1/2 - 3-Phase	208-230/460	1.5-1.6/0.8	9571

• Circulation cubic feet per minute (ccfm) performance numbers tested in accordance to AMCA 230 standards as circulation fans.



BD72-208460-3

BIGDOG® 72" Ventilator

Schaefer's 72" BIGDOG® Ventilator is the right answer for large area cooling and de-stratification. Unlike HVLS (high volume, low speed) ceiling fans that move a lot of air very slowly with very little cooling effect, Schaefer's 72" BIGDOG® Ventilator moves a lot of air at high speed for efficient and effective summer personnel cooling.

The BIGDOG® can also be slowed down to move less air more slowly for winter de-stratification (getting the hot air down from the ceiling) for dramatic heating bill savings.

Features & Benefits

- 72" diameter, 3 Hp, belt-drive, fiberglass housing, aluminum 6-wing, variable speed, circulation fan.
- Six fully adjustable fiberglass air deflectors aim the airflow where desired.
- 208/230/460V 3-phase and 230V single-phase models available.
- Optional variable speed drive allows smooth speed adjustment from 50 RPM to 300 RPM.
- At 300 RPM, total airflow of 60,000 cfm cools a 200' x 35' area with air speeds in excess of 100 FPM using 2,200 watts of power.
- At 50 RPM, total airflow of 10,000 cfm de-stratifies 10,000+ square feet using 300 watts of power.
- Long life components include corrosion resistant fiberglass housing, heavy-duty pulley and bearing assembly, maintenance-free motor.
- Extremely quiet operation at all speeds.
- Mounts out of the way of people, equipment and fire sprinklers.
- Can be post, wall or ceiling mounted.
- Add misting for additional cooling.
- Fan ships fully assembled; air deflectors must be added in field.
- One-year limited warranty.
- Imported.

Large
Volume Pricing
Available!

To see a BIGDOG® video, please visit the BIGDOG® section at www.schaeferfan.com.

Model	Description	HP	Volts	Amps (Max)	RPM	CCFM
BD72-208460-3	BIGDOG® 72" fan, deflectors, 3-phase	3	208/230/460	10.5	50/300	7,500/45,000
BD72-230-1	BIGDOG® 72" fan, deflectors, 1-phase	3	230	9.5	50/300	7,500/45,000

Controls

BDVFD240N1	Variable frequency drive 240 volt, 1- & 3-phase, NEMA 1
BDVFD400N1	Variable frequency drive 400/480 volt, 3-phase, NEMA 1
BDVFD240N4	Variable frequency drive 240 volt, 1- & 3-phase, NEMA 4
BDVFD400N4	Variable frequency drive 400/480 volt, 3-phase, NEMA 4
BDVFD240-1N4F1	Variable frequency drive 208/240 volt, 1-phase, filtered input, NEMA 4X
BDVFD400-3N4F1	Variable frequency drive 400/480 volt, 3-phase, filtered input, NEMA 4X
BDVFD240-1N4FD	Variable frequency drive 208/240 volt, 1-phase, filtered input/disconnect, NEMA 4X
BDVFD400-1N4FD	Variable frequency drive 400/480 volt, 1-phase, filtered input/disconnect, NEMA 4X

Schaefer's
72" BIGDOG®
Ventilator
is the right
answer for large
area cooling and
de-stratification.

Ceiling and post mount accessories available, please call Customer Care at 1.800.779.3267.



Tuff & Gusty™



TG24-3PW

TG24-2DG

Economy Circulation Fans

Schaefer's imported economy fans are Tuff & Gusty™. These UL507 outdoor certified circulation fans, indoor circulation fans and heavy-duty drum fans are loaded with features but priced very aggressively for your indoor and outdoor cooling and ventilation needs. We recommend all outdoor fans be GFCI protected.

- Quiet operation, high efficiency and output.
- OSHA compliant safety guards.
- Outdoor fans are UL507 certified for outdoor use.
- Powder coated white, black or gray.
- Wall/pedestal/ceiling fans have pull chain speed adjustments.
- Fully adjustable wall or ceiling mount for 18" fans.
- Fully adjustable wall or pedestal mount for 24" and 30" fans.
- Drum fans may be tilted 360 degrees. Include cord wrap and carry handle.
- Totally enclosed, maintenance free, high efficiency motors with completely sealed bearings and built-in thermal overload protection.
- 90-day limited warranty.
- Imported.

Large
Volume Pricing
Available!

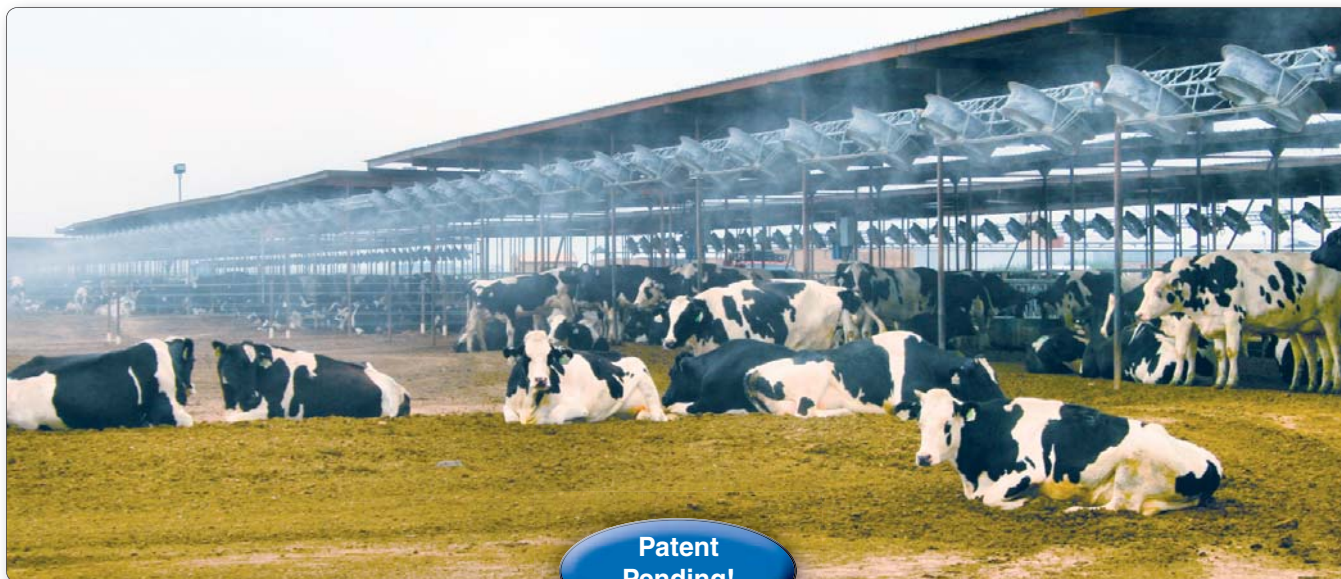


TG24-3WW



Model	Diameter	Speed	Volts	Amps	CFM	Noise (db)	Color
Outdoor Rated Wall Mounted Fans							
TG18-3WW	18"	3	115	1.8/1.6/1.4	6600/4800/3800	60/52	White
TG18-3WB	18"	3	115	1.8/1.6/1.4	6600/4800/3800	60/52	Black
TG24-3WW	24"	3	115	2.8/2.4/1.9	7200/6200/5200	62/54	White
TG24-3WB	24"	3	115	2.8/2.4/1.9	7200/6200/5200	62/54	Black
TG24-3WOSCW	24" Oscillating	3	115	2.8/2.4/1.9	7200/6200/5200	62/54	White
TG24-3WOSCB	24" Oscillating	3	115	2.8/2.4/1.9	7200/6200/5200	62/54	Black
TG30-3WW	30"	3	115	2.8/2.4/1.9	8200/7200/6200	62/54	White
TG30-3WB	30"	3	115	2.8/2.4/1.9	8200/7200/6200	62/54	Black
TG30-3WOSCW	30" Oscillating	3	115	2.8/2.4/1.9	8200/7200/6200	62/54	White
TG30-3WOSCB	30" Oscillating	3	115	2.8/2.4/1.9	8200/7200/6200	62/54	Black
Outdoor Rated Pedestal Fans							
TG24-3PB	24"	3	115	2.8/2.4/1.9	7200/6200/5200	62/54	Black
TG24-3POSCB	24" Oscillating	3	115	2.8/2.4/1.9	7200/6200/5200	62/54	Black
TG30-3PB	30"	3	115	2.8/2.4/1.9	8200/7200/6200	62/54	Black
TG30-3POSCB	30" Oscillating	3	115	2.8/2.4/1.9	8200/7200/6200	62/54	Black
TG24-3PW	24"	3	115	2.8/2.4/1.9	7200/6200/5200	62/54	White
TG24-3POSCW	24" Oscillating	3	115	2.8/2.4/1.9	7200/6200/5200	62/54	White
TG30-3PW	30"	3	115	2.8/2.4/1.9	8200/7200/6200	62/54	White
TG30-3POSCW	30" Oscillating	3	115	2.8/2.4/1.9	8200/7200/6200	62/54	White
Drum Fans							
TG24-2DG	24"	2	115	1.76/1.6	7770/5825	N/A	Gray
TG36-2DG	36"	2	115	4.8/4.5	15,114/10,980	N/A	Gray
TG42-1DG	42"	1	115	5.8	18,251	N/A	Gray
Indoor Rated Wall Mounted Fans							
TG24-3WBI	24"	3	115	2.4/1.85/1.37	10,241/8200/6554	N/A	Black
TG24-3WOSCB	24" Oscillating	3	115	2.4/1.85/1.37	10,241/8200/6554	N/A	Black
TG30-3WBI	30"	3	115	1.91/1.6/1.58	10,418/8334/6668	N/A	Black
TG30-3WOSCB	30" Oscillating	3	115	1.91/1.6/1.58	9335/7628/6102	N/A	Black
Indoor Rated Pedestal Fans							
TG24-3PBI	24"	3	115	2.45/1.85/1.37	10,241/8200/6554	N/A	Black
TG30-3PBI	30"	3	115	1.91/1.6/1.58	10,418/8334/6668	N/A	Black

NEW FOR 2011!



FlipFan™ Dairy Cooling System

Designed to provide the best day and night cow cooling possible. Rugged and durable. Easy to install and maintain. Half the price of the competition!

- Steerable (180° rotation), long throw, misting fans for day and night cooling
- Customizable automatic controls
- Reliable and easy to install and maintain
- High return on investment

The patent pending, Schaefer FlipFan™ dairy cooling system combines advanced 36" high velocity fans and misting systems with a horizontal rotational mounting structure that allows the fans to be adjusted to compensate for windspeed and direction and to "flip" 180° to point outside the shade for nighttime cow cooling.

With from 2 – 4 fans per bay, FlipFan™ provides an average velocity of 7 mph across the shade, and up to 2 gal/min. of evaporative cooling per bay.

With control options ranging from simple manual controls to iPad® and iPod® driven PLCs that adjust your system for time, temperature, humidity, wind speed, milking and feed schedules; FlipFan™ delivers the ultimate dairy cooling solution for a range of budgets.

Please give us a call for more information on how this system can improve your **bottom line!**

Keep the cooling on the cows!™

Specifications

36" 1/2 Hp High Velocity Fans

Phase: 3
Volts: 230/460
Amps: 2.2/1.1
RPM: 825
CFM: 12,800
CFM/Watt: 23.5

Air Speed At:

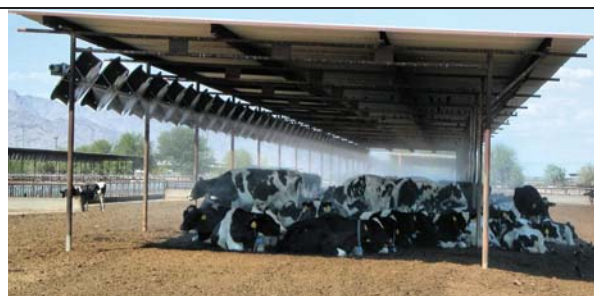
0 Feet: 13 Mph
25 Feet: 10 Mph
50 Feet: 5 Mph

36" 3/4 Hp High Velocity Fans

Phase: 3
Volts: 208-230/460
Amps: 2.9-2.8/1.4
RPM: 1140
CFM: 17,000
CFM/Watt: 23.5

Air Speed At:

0 Feet: 17 Mph
25 Feet: 14 Mph
50 Feet: 8 Mph



NEW FOR 2011!



57" Fiberglass Cone Exhaust Fans

Schaefer's narrow profile, fiberglass housing exhaust fans are designed to exhaust large volumes of air at high efficiency. The rugged 57" narrow profile exhaust fan with UV protected fiberglass housing, one-piece polyethylene cone and corrosion resistant components moves up to 33,000 cfm in free air. Fan ships fully assembled except for its one-piece easy-to-install cone and guard.

**Built
Tough for
Cross and Tunnel
Ventilation
Applications!**

Features & Benefits

- 57" diameter fiberglass exhaust fan with a one-piece polyethylene cone, powder coated steel guard and heavy-duty aluminum shutter.
- Three or six-wing galvanized or three-wing cast aluminum blades.
- One-phase or three-phase 2, 1.5 or 1 Hp motors available.
- HV: High velocity configurations deliver up to 30,000 cfm at 0.10" static pressure (33,000 cfm in free air).
- HE: High efficiency configurations deliver a minimum of 20.3 cfm/watt at 0.10" static pressure.
- Designed to fit side by side in dairies with standard 12, 18 and 24 foot post spacing.
- Belt drive system includes an automatic self-adjusting belt tensioner.
- Fan ships fully assembled. Cone must be added in field.
- 15-year housing warranty; 2-year limited warranty.
- Made in the USA.

Dimensions

Rough-in dimensions: 63" x 63"

Cone major diameter: 67"

Fan depth: 56" from mounting flange to outside end of cone.

Model	Description	Blade Type	HP	Phase	Volts	Amps
573CF112G-1-HE	57" Fiberglass exhaust fan with cone	3-wing galvanized	1.5	1	115/230	13.6/6.8
573CF112G-1-HV	57" Fiberglass exhaust fan with cone	3-wing galvanized	1.5	1	115/230	13.6/6.8
573CF112G-3-HE	57" Fiberglass exhaust fan with cone	3-wing galvanized	1.5	3	208-230/460	4.6-4.8/2.4
573CF112G-3-HV	57" Fiberglass exhaust fan with cone	3-wing galvanized	1.5	3	208-230/460	4.6-4.8/2.4
573CF2G-1-HE	57" Fiberglass exhaust fan with cone	3-wing galvanized	2	1	230	9.5
573CF2G-1-HV	57" Fiberglass exhaust fan with cone	3-wing galvanized	2	1	230	9.5
573CF2G-3-HE	57" Fiberglass exhaust fan with cone	3-wing galvanized	2	3	208-230/460	6.0-5.8/2.9
573CF2G-3-HV	57" Fiberglass exhaust fan with cone	3-wing galvanized	2	3	208-230/460	6.0-5.8/2.9

* Bess Labs performance testing to be complete 04/11. Please call for performance data or visit www.bess.illinois.edu.

Other motor and blade combinations available, [please call Customer Care at 1.800.779.3267](tel:18007793267).





FMN4800-1G

Fiberglass Flush-Mount Exhaust Fans

Schaefer's narrow profile, fiberglass housing exhaust fans are designed to exhaust large volumes of air at high efficiency. All fans ship fully assembled and have self-adjusting belt tensioners and heavy-duty aluminum shutters installed.

Use flush-mount exhaust fans for large exhaust airflow requirements in factories, warehouses and other locations where long life and efficient air movement matter.

- Large radius fiberglass venturi for maximum airflow, long life and good looks.
- Galvanized, stainless steel or cast aluminum blades for high performance and long life.
- Heavy-duty, totally enclosed, maintenance free and energy efficient motors.
- Fans ship fully assembled.
- 15-year limited housing warranty.
- Made in the USA.

Rough-In - Width x Height

36" Direct Drives
All FM3690 Models
37-1/2" x 38-3/4"

36" Belt Drives
All FMN3600 Models
43-1/2" x 43-3/4"

48" Belt Drives
All FMN4800 Models
55-3/4" x 56-1/4"

All 52" FMN Models
59-1/4" x 59-1/4"

All 52" Cone Fan Models
59-1/2" x 59-1/2"

Model	Description	Blade Type	HP	Volts	Amps	CFM
FM3690-1G	36" Direct-drive flush-mount exhaust fan	3-wing galvanized	1/2	115/230	6.0/3.5	9610
FM3690-1S	36" Direct-drive flush-mount exhaust fan	3-wing stainless steel	1/2	115/230	6.0/3.5	9780
FMN3600-1G	36" Belt-drive flush-mount exhaust fan	3-wing galvanized	1/2	115/230	5.2/2.6	9320
FMN3605-1G	36" Belt-drive flush-mount exhaust fan	5-wing galvanized	1/2	115/230	5.2/2.6	11,012
FMN4800-1G	48" Belt-drive flush-mount exhaust fan	3-wing galvanized	1	115/230	10.0/5.0	18,614
FMN4800-1S	48" Belt-drive flush-mount exhaust fan	3-wing stainless steel	1	115/230	10.0/5.0	18,614
FMN4806-1G	48" Belt-drive flush-mount exhaust fan	6-wing galvanized	1	115/230	10.0/5.0	22,365
FMN5200-1G	52" Belt-drive flush-mount exhaust fan	3-wing galvanized	1	115/230	10.0/5.0	24,057
FMN5205-1G	52" Belt-drive flush-mount exhaust fan	5-wing galvanized	1	115/230	10.0/5.0	24,245

• All models fully assembled, include belt tensioner and heavy-duty aluminum shutter. • Performance at 0.05" static pressure. Performances may vary.

52" Fiberglass and Galvanized Cone Fans

Model	Description	Blade Type	HP	Volts	Amps	CFM
Fiberglass Cone Fans						
523CF1	52" Belt-drive exhaust fan with cone	3-wing galvanized	1	115/230	10.0/5.0	25,500
525CF1	52" Belt-drive exhaust fan with cone	5-wing galvanized	1	115/230	10.0/5.0	24,624
523CF112	52" Belt-drive exhaust fan with cone	3-wing galvanized	1-1/2	208-230	6.7-6.2	28,000
523CF112C	52" Belt-drive exhaust fan with cone	3-wing cast aluminum	1-1/2	208-230	6.7-6.2	27,200
525CF112	52" Belt-drive exhaust fan with cone	5-wing galvanized	1-1/2	208-230	6.7-6.2	27,023
Galvanized Cone Fans						
523GCF1	52" Belt-drive exhaust fan with cone	3-wing galvanized	1	115/230	10.0/5.0	26,246
523GCF112	52" Belt-drive exhaust fan with cone	3-wing galvanized	1-1/2	208-230	6.7-6.2	28,203

• All models include belt tensioner and heavy-duty aluminum shutter. Performance at 0.05" static pressure. Performances may vary.

Other motor and blade combinations available, [please call Customer Care at 1.800.779.3267](tel:1.800.779.3267).



Galvanized Exhaust Fans



Slant Wall
Style



Box Style

Galvanized Slant Wall and Box Exhaust Fans

Ideal for greenhouses, factories and warehouses where you want to exhaust a lot of air at a low cost.

- Heavy gauge galvanized materials.
- Heavy-duty, totally enclosed, maintenance free, energy efficient motors.
- 3, 5 and 6-wing galvanized blades.
- Cast iron pillow block bearings.
- Automatic belt tensioners.
- Aluminum shutters.
- Fans ship fully assembled.
- 2-year limited warranty.
- Made in the USA.

Rough-In - Width x Height

24" Models
31-1/2" x 32"

30" Models
37-1/4" x 37-3/4"

36" Models
43-1/2" x 44"

42" Models
49-1/2" x 50"

48" Models
55-1/2" x 56"

24" - 48" Galvanized Slant Wall and Box Exhaust Fans

Model	Description	Blade Type	HP	Volts	Amps	CFM
245SDD12	24" Direct-drive exhaust fan in slant wall housing	5-wing galvanized	1/2	115/230	6.0/3.5	6550
245S12*	24" Belt-drive exhaust fan in slant wall housing	5-wing galvanized	1/2	115/230	5.2/2.6	6144
303SDD12	30" Direct-drive exhaust fan in slant wall housing	3-wing galvanized	1/2	115/230	6.0/2.6	6890
303S12	30" Belt-drive exhaust fan in slant wall housing	3-wing galvanized	1/2	115/230	5.2/2.6	6720
305S12	30" Belt-drive exhaust fan in slant wall housing	5-wing galvanized	1/2	115/230	5.2/2.6	7100
363SDD12	36" Direct-drive exhaust fan in slant wall housing	3-wing galvanized	1/2	115/230	6.0/3.5	9610
363S12	36" Belt-drive exhaust fan in slant wall housing	3-wing galvanized	1/2	115/230	5.2/2.6	9542
365S12	36" Belt-drive exhaust fan in slant wall housing	5-wing galvanized	1/2	115/230	5.2/2.6	9745
363B12	36" Belt-drive exhaust fan in box housing	3-wing galvanized	1/2	115/230	5.2/2.6	8962
365B12	36" Belt-drive exhaust fan in box housing	5-wing galvanized	1/2	115/230	5.2/2.6	9173
425S34	42" Belt-drive exhaust fan in slant wall housing	5-wing galvanized	3/4	115/230	7.8/3.9	14,455
425B34	42" Belt-drive exhaust fan in box housing	5-wing galvanized	3/4	115/230	7.8/3.9	13,712
483S1	48" Belt-drive exhaust fan in slant wall housing	3-wing galvanized	1	115/230	10/5.0	19,818
486S1	48" Belt-drive exhaust fan in slant wall housing	6-wing galvanized	1	115/230	10/5.0	20,636
483B1	48" Belt-drive exhaust fan in box housing	3-wing galvanized	1	115/230	10/5.0	19,804
486B1	48" Belt-drive exhaust fan in box housing	6-wing galvanized	1	115/230	10/5.0	18,997

• All models have aluminum shutters, standard hardware cloth guards. • Performance at 0.05" static pressure. Performances may vary. • OSHA guard options available.

Other motor and blade combinations available, [please call Customer Care at 1.800.779.3267](tel:18007793267).





PFM2400-1A



PFM1600-1

Polyethylene Direct-Drive Flush-Mount Exhaust Fans integrated with Shutter

Our high quality, long life, exhaust fans are a cost-effective way to exhaust air and moisture from buildings. Designed for low to medium volume exhaust airflow and suited for a broad range of facilities including warehouses, storage facilities, greenhouses and more.

PFM flush-mount exhaust fans should be mounted flush with the interior wall and can exhaust through walls up to 12" thick.

Features & Benefits

- Available in 9" to 24" sizes.
- All models are direct-drive.
- Heavy-duty, totally enclosed, maintenance free and energy efficient motors.
- Polypropylene blades, rugged polyethylene housings and PVC or aluminum shutters for long life.
- 2-year limited warranty.
- Made in the USA.

Rough-In - Width x Height

9" • PFM0900-1
13-3/4" x 14-1/2"

12" • PFM1200-1
15-3/4" x 16-3/4"

16" • PFM1600-1
19-1/2" x 20-1/2"

20" • PFM2000-1
23-1/2" x 24-3/4"

20" • PFM20HC-1 & -3
23-1/2" x 24-3/4"

24" • PFM2400-1A & -3
29" x 29-1/2"

Model	Description	HP	Volts	Amps	CFM
PFM0900-1	9" Direct-drive flush-mount exhaust fan, variable speed	1/6	115/230	1.9/1.0	1091
PFM1200-1	12" Direct-drive flush-mount exhaust fan, variable speed	1/3	115/230	3.8/1.9	1604
PFM1600-1	16" Direct-drive flush-mount exhaust fan, variable speed	1/3	115/230	3.8/1.9	3085
PFM2000-1	20" Direct-drive flush-mount exhaust fan, variable speed	1/3	115/230	3.8/1.9	3533
PFM20HC-1	20" Direct-drive flush-mount high capacity exhaust fan, variable speed	1/2	115/230	4.8/2.4	4966
PFM20HC-3	20" Direct-drive flush-mount high capacity exhaust fan, 3-phase, variable speed	1/2	230/460	1.0/0.5	4966
PFM2400-1A	24" Direct-drive flush-mount exhaust fan, variable speed	1/2	115/230	4.8/2.4	7200
PFM2400-3A	24" Direct-drive flush-mount exhaust fan, 3-phase	1/2	230/460	1.0/0.5	7200

*Variable speed when used with optional speed controls not included with fan model. Fan performances at 0.05" static pressure. Performances may vary.

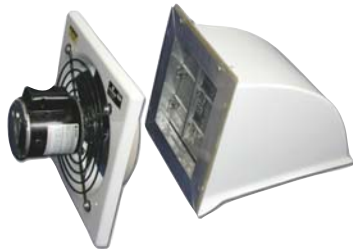
• Models ending with "A" have aluminum shutters standard; other models have PVC shutters standard.

Other motor and blade combinations available, [please call Customer Care at 1.800.779.3267](tel:1.800.779.3267).



Fiberglass Hood-Style Exhaust Fans

Schaefer's hood-style exhaust fans are designed to exhaust a lot of air from garages, workshops and other modest sized facilities, with superior protection from the elements. Mount the fan inside the building and the shutter and weatherhood on the outside of the building.



H1200-1

- Available in 12" to 20" sizes.
- All models are direct-drive.
- Heavy-duty, totally enclosed, maintenance free and energy efficient motors.
- Molded one-piece fiberglass weatherhoods for good looks, long life and protection from the elements.
- Weatherhoods can also be purchased separately.
- Models: FH-1200, FH-1600, FH-2000
- Polypropylene fan blades for high performance and long life.
- Aluminum shutters.
- 2-year limited warranty.
- Made in the USA.

Rough-In - Width x Height

H1200-1
13" x 13"

H1600-1
17-3/8" x 17-3/8"

H2000-1 & -3
21-1/4" x 21-1/4"

Model	Description	HP	Volts	Amps	CFM
H1200-1*	12" Hood-style exhaust fan with shutter	1/3	115/230	3.8/1.9	1604
H1600-1*	16" Hood-style exhaust fan with shutter	1/3	115/230	3.8/1.9	2615
H2000-1*	20" Hood-style exhaust fan with shutter	1/3	115/230	3.8/1.9	3320
HC2000-1*	20" Hood-style high capacity exhaust fan with shutter	1/2	115/230	4.8/2.4	5725
HC2000-1-3	20" Hood-style high capacity exhaust fan with shutter, 3-phase	1/2	230/460	1.0/0.5	4780

* Fan performance at 0.05" static pressure. Performances may vary.

* Variable speed when used with optional speed controls not included with fan model.

Shutter-Style Exhaust Fans

Use shutter-style exhaust fans for low to medium exhaust airflow requirements in thin-walled buildings, such as greenhouses requiring exhaust fans with a low profile. Fan mounts flush to the exterior wall.

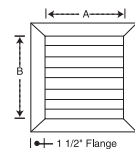


SFT-1200

Features & Benefits

- Available in 12" to 24" sizes.
- All models are direct-drive.
- Heavy-duty, totally enclosed, maintenance free and energy efficient motors.
- Shutter-style fans have aluminum blades, rugged PVC shutters and powder coated guards for long life.
- 2-year limited warranty.
- Made in the USA.

Rough-In - Width x Height



SFT-1200
12-5/8" x 12-5/8"

SFT-1600
16-5/8" x 16-5/8"

SFT-2000
20-5/8" x 20-5/8"

SFT-2400A
24-1/2" x 24-1/2"

Model	Description	HP	Volts	Amps	CFM
SFT-1200	12" Shutter-style variable speed* exhaust fan	1/30	115	0.9	760
SFT-1600	16" Shutter-style variable speed* exhaust fan	1/10	115/230	1.3/0.65	1250
SFT-2000	20" Shutter-style variable speed* exhaust fan	1/3	115/230	3.8/1.9	3122
SFT-2400A	24" Aluminum shutter-style two-speed exhaust fan	1/4	120	1.9/1.74	4299/2426

* Variable speed when used with optional speed controls not included with fan model. Fan performances at 0.05" static pressure.



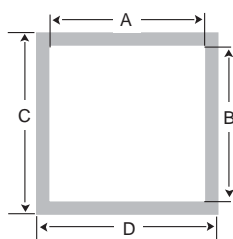
Aluminum Shutters

Exhaust fans require makeup air to function. Schaefer's heavy duty aluminum shutters are built tough for long life in demanding environments. Assume 800-1000 cfm of inlet air per square foot of shutter area.

- Constructed of heavy-duty brushed aluminum.
- Lightweight for efficiency and easy installation.
- They can be used manually, with gravity, or mechanically.



Aluminum Shutters
'WS' Models
Shown with Optional SM1530A
Shutter Motor and Hardware



Model	Size	A	B	C	D
WS-120	12"	12-1/8"	12-1/2"	15-1/2"	15-3/16"
WS-160	16"	16-1/8"	16-1/2"	19-1/2"	19-3/16"
WS-180	18"	18-1/8"	18-1/2"	21-1/2"	21-3/16"
WS-200	20"	20-1/8"	20-1/2"	23-1/2"	23-3/16"
WS-240	24"	23-7/8"	24-1/2"	27-1/2"	27-1/4"
WS-270	27"	26-7/8"	27-1/2"	30-1/2"	30-1/4"
WS-300	30"	29-7/8"	30-1/2"	33-1/2"	33-1/4"
WS-330	33"	32-7/8"	33-1/2"	36-1/2"	36-1/4"
WS-360	36"	35-7/8"	36-1/2"	39-1/2"	39-1/4"
WS-390	39"	38-7/8"	39-1/2"	42-1/2"	42-1/4"
WS-420	42"	41-7/8"	42-1/2"	45-1/2"	45-1/4"
WS-450	45"	44-7/8"	45-1/2"	48-1/2"	48-1/4"
WS-480	48"	47-7/8"	48-1/2"	51-1/2"	51-3/16"
WS-510	51"	50-7/8"	51-1/2"	54-1/2"	54-3/16"
WS-540	54"	53-7/8"	54-1/2"	57-1/2"	57-3/16"
WS-570	57"	56-7/8"	57-1/2"	60-1/2"	60-3/16"
WS-600	60"	59-7/8"	60-1/2"	63-1/2"	63-3/16"
WS-660	66"	65-7/8"	66-1/2"	69-1/2"	69-3/16"

• Add 1/2" to A and B for rough-in opening.



SM1530A

Shutter Motor Kit

Model SM1530A

Increase airflow through shutters by mechanically opening the shutter. Shutter motor kit includes motor and all other components. Can be used on all the 'WS' aluminum shutters. Shutter will stay open as long as power is on.

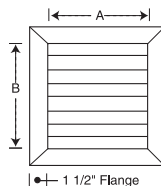
- 115/230V motor.
- Enclosure is suitable for wet or damp locations.
- 0.5 amps at 115 volts; 0.25 amps at 230 volts.



Motorized PVC Shutters
'MIT' Models

Motorized PVC Shutters

- White exterior grade PVC for strength, durability and looks.
- Efficient aerodynamic design.
- Nylon bearings will not corrode and never need lubrication.
- 115/230V shutter motor; shutter will be open when power is on.
- Flush-mount to the interior wall; open with motor to let air in.



Model	Size	A-Width	B-Height
MIT-1200	12"	12-5/8"	12-5/8"
MIT-1600	16"	16-5/8"	16-5/8"
MIT-2000	20"	20-5/8"	20-5/8"
MIT-2200	22"	22-3/4"	22-3/4"

• Also available without motors.

Additional shutter sizes and shapes available by special order. [Please call for more information at 1.800.779.3267.](tel:18007793267)





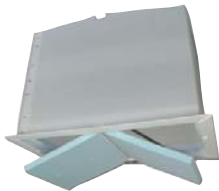
RV-3000

Roof / Ridge Inlet and Exhaust Vent

Hog, dairy, poultry and equine confinement facilities and many other buildings benefit from allowing air in and out of the roof peak. Warm air escapes in the summer months. In cooler weather, reverse the air flow with fans and pull fresh air into the building through the roof.

- High airflow capacity.
- Rugged polyethylene material with UV inhibitors.
- One-piece construction prevents leaking.
- Unique design blocks rain and snow; inlets will not get blocked by snow drifts.
- Includes bird screen.
- Installs on roofs with pitches from 2/12 to 6/12.

Model	Description	CFM	Rough-in Size
RV-3000	Roof / Ridge inlet and exhaust vent	3000	11-1/2" x 47"



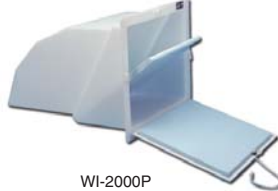
CI-1300



HI-1000P



WI-1000P



WI-2000P

Automatic Fresh-Air Wall and Ceiling Intakes

Use Schaefer wall intakes to ease fresh air into rooms and buildings at your desired rate. Ideal for slower exchange rates and for providing make up air for exhaust fans.

- Rugged polyethylene housings are maintenance free and corrosion resistant.
- Adjustable damper doors with stainless steel springs.
- Large intake capacities.
- Air deflection doors.
- Easy installation.

Model	Description	CFM	Rough-in Size (Wide x Height)
CI-1300	Automatic fresh air ceiling intake. Dampers open wider with increased air speed. Mounts flush with ceiling. Allows for 16" of attic insulation.	1350	13-1/2" x 22-3/4"
HI-1000P	Automatic air intake for interior walls. Adjustable damper tension. Innovative deflector doors to adjust air direction and velocity.	1000	22-3/8" x 11-1/4"
WI-1000P	Automatic air intake for exterior walls. Adjustable damper tension. Innovative deflector doors to adjust air direction and velocity. Integral weatherhood with bird screen.	1000	22-5/8" x 11-1/2"
WI-2000P	Automatic air intake for exterior walls. Adjustable damper tension. Innovation deflector doors to adjust air direction and velocity. Integral weatherhood with bird screen.	2000	22-3/4" x 19"



In-Line Duct Fans

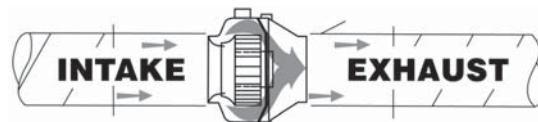


R-250

Ideal for moving air in duct work applications. Move heated air from one building or room to another. Can be mounted at any angle. UV resistant ABS-PC blend thermo plastic housing suitable for airstream temperatures up to 140°F.

Features

- 6", 8" and 10" diameters.
- Aluminum alloy blade.
- External wiring box for easy connection.
- Waterproof gasket on wiring box.
- Variable speed.



Model	Description	Volts	CFM
R-150	6" In-line duct fan	115	263
CR-150	Clamps (set of 2) for R-150		
R-200	8" In-line duct fan	115	408
CR-200	Clamps (set of 2) for R-200		
R-250	10" In-line duct fan	115	649
CR-250	Clamps (set of 2) for R-250		

• Performance at 0.0" static pressure.



Shaded Pole Blowers

Shaded pole inflation blowers, with forward curved wheels and energy efficient, open drip proof motors. Available with black or white enamel finish.

Frequently used for inflating greenhouse polyethylene.

B60-E, & B148-E imported from China.

Model	Description	Volts	CFM
B60	Shaded pole blower	115	60
B60-E	Shaded pole blower, economy	115	60
B148	Shaded pole blower	115	148
B148-E	Shaded pole blower, economy	115	148
B465	Shaded pole blower	115	465

• Performance at 0.0" static pressure.

Can't find what you are looking for?

Please give us a call at 1.800.779.3267 and we would be happy to assist you!



EVOLUTION BLUE™

24" & 30" Portable High Pressure Oscillating Mist System



EB24

The Schaefer Evolution Blue™ is the ultimate high pressure mist system on the market today. Evolution Blue™ can reduce the ambient air temperature by as much as 30°F, providing the ultimate benefit of coolness without wetness, at low operating cost.

- A complete, self-contained, mobile, high pressure mist cooling system.
- 24" or 30" UL507 rated, 3-speed, OSHA compliant, oscillating, imported fans with 7,200 (24") and 8,200 (30") ccfm.
- Base unit includes one misting fan and the high pressure pump.
- 3/4 Hp industrial CAT™ pump; automatic low-pressure shut off; 1,000 PSI; 0.75 GPM maximum.
- Up to 2 satellite fans can be connected to the base unit with included quick connect high pressure lines.
- EB24 has 7 tons (85,000 BTU/hour) of cooling capacity per fan (cools 1,400 square feet).
- EB30 has 9 tons (106,000 BTU/hour) of cooling capacity per fan (cools 1,800 square feet).
- Requires a garden hose with at least 15 PSI water pressure for water supply.
- Includes 25' outdoor-rated power cord with integrated GFCI.
- Some assembly required.
- Two-year limited warranty.
- Made in the USA.
- Industrial strength fan units available. Please call 1.800.779.3267 for more information.



EB24-SAT

Model	Description	Pump HP	Fan HP	Fan Volts	CCFM Hi/Med/Low	Wt.
EB24	24" Evolution Blue™ portable mist fan system	3/4	1/4	115	6277/4899/4031	155
EB30	30" Evolution Blue™ portable mist fan system	3/4	1/4	115	6420/5621/4893	164
EB24-SAT	24" Evolution Blue™ satellite mist fan	N/A	1/4	115	6277/4899/4031	82
EB30-SAT	30" Evolution Blue™ satellite mist fan	N/A	1/4	115	6420/5621/4893	91



VS36VKOFOG



36" Portable High Pressure Oscillating Mist Fan

The VersaFog® is another powerful, high pressure mist cooling system from Schaefer. The industrial strength 36" oscillating fan is equipped with a 12-nozzle high pressure mist ring and distributes cool air up to 65 feet on a 90° arc.

- A complete, self-contained, mobile, high pressure mist cooling system.
- 36" fan with totally enclosed 1/2 Hp motor, rugged polyethylene housing, powder coated steel guards, 90° of oscillation and 11,000 ccfm.
- High pressure mist (fog) cools without wetness.
- 10 Tons (128,000 BTU/hour) of cooling capacity.
- Cools the air up to 30°F.
- Cools up to 2,000 square feet.
- Requires a garden hose with at least 15 PSI water pressure for water supply.
- Includes 25' outdoor-rated power cord with integrated GFCI.
- Some assembly required.
- Two-year limited warranty.
- Made in the USA.

Model	Description	Pump HP	Fan HP	Volts	CCFM	Wt.
VS36VKOFOG	36" VersaFog® portable oscillating mist fan	1/2	1/2	115/230	11,000	315
VS36VKOFOG-B	36" VersaFog® portable oscillating mist fan (black)	1/2	1/2	115/230	11,000	315



Low Pressure Misting Fans

New Design
and New Lower
Price!

VersaMist

VersaMist® Low Pressure Misting Fan

Fill it up, plug it in, turn it on and chill!™

Schaefer Ventilation has re-designed its popular VersMist® portable misting fans for additional convenience and durability at a lower price. The new PVM18C is similar to the new PVM18, except that it has a slightly larger water reservoir, integrated wheels and a pull handle for greater ease of movement. Both fans are ideal for cooling work areas, rescue squads, firemen, patios, or sidelines, etc. when electricity is limited and running water is not available.

Features & Benefits

- Portable "person cooler" combines fine mist and high speed air movement for personnel cooling indoors or outdoors.
- 18" UL507 rated 3-speed fan produces up to 6,600 cfm of cooling breeze.
- Built in pump produces 2 gallons/hour of fine mist.
- Rapid mist evaporation cools the air up to 30°F and produces 16,000 BTU/hour (1.4 Tons) of cooling.
- Safe. The fan has OSHA-rated guards and is UL507 rated for outdoor use. The 25' outdoor rated power cord has an integrated GFCI plug. Unit has an integral tip switch that turns power off to the unit if the unit is knocked over.
- Fan and pump assembly securely locks to the water reservoir.
- Portable. Unit comes with its own water reservoir (10 gallons or 14 gallons) for up to 7 hours of uninterrupted use and a 25' cord to connect to a standard wall outlet. Pump and fan assembly is easily separated from the reservoir for cleaning or storage.
- Available with white or black fan heads.
- Fans can be angled up or down for optimal cooling.
- Two-year limited warranty.
- Made in the USA.



PVM18C

Back



PVM18-B

Model	Description	Volts	Watts	Amps	Wt.
PVM18	VersaMist® 18" misting fan unit	115	168	2.2	35
PVM18-B	VersaMist® 18" black misting fan unit	115	168	2.2	35
PVM18C	VersaMist® 18" misting fan unit with wheels and pull handle	115	168	2.2	43



Mist Rings and Nozzles

Turn any fan into an evaporative cooling fan by adding misting attachments and make air movement a super cool breeze!

Model	Description
MK-1200	Low pressure misting ring, 6" diameter, 3 brass nozzles
MK-100B	Low pressure misting ring, 16" diameter, 4 brass nozzles
MK-200B	Low pressure misting ring, 26" diameter, 6 brass nozzles
BN8	Misting nozzle, brass with stainless steel insert, .008 orifice, 10/24 thread size
BN8-1224	Misting nozzle, brass with stainless steel insert, .008 orifice, 12/24 thread size
BN12	Misting nozzle, brass with stainless steel insert, .012 orifice, 10/24 thread size
BN16	Misting nozzle, brass with stainless steel insert, .016 orifice, 10/24 thread size
BN20	Misting nozzle, brass with stainless steel insert, .020 orifice, 10/24 thread size
BNP-1224	Misting Plug, brass, 12/24 thread size

- Packages of nozzles available at a discount: **BN8-1024** - 6 Pak, **BNP-1224** - 6 Pak, **BN12-1024** - 4 Pak
- The standard misting nozzle included on low pressure mist kits and other models that include misting systems is the BN12.
- Other sizes available, call for more information.

Schaefer carries more misting products that are not listed in this catalog. If you are interested in a wall mounted misting system, please give us a call.



Air Cooled Portable Air Conditioners



Designed for portability and convenience, Schaefer Portable Air Conditioners roll easily from the shop floor to indoor office areas and set up in minutes. The Schaefer air-cooled portable air conditioner line consists of six models, from 12,000-77,500 BTU/hr. (1-6 tons).

- **Cools Quietly.** Cools quietly at office-acceptable sound levels without significant addition to background noise. Ideal for supplemental or temporary cooling in equipment rooms, plant floors or field offices. Featuring backward-inclined plenum evaporator and condenser fans, it operates at the lowest decibel level for portable air conditioners.
- **Cools Effectively.** Delivers full performance at a wide range of ambient temperature and humidity levels. A thermostatic-expansion valve (not found in other portable air conditioners) automatically adjusts to the environment, allowing the units to operate under more extreme conditions at lower cost and with less freeze-up.
- **Cools Efficiently.** Schaefer's portable air conditioners cost less to operate because they draw the least amount of power on a per-ton of cooling basis compared to other portable air conditioners.

Just plug in and cool - no special electrical requirements are needed. Most Schaefer portable air conditioner models are single phase (460V 3-phase option on the PAC-TZ60AB460).

Built Tough for Rental, Industrial and Commercial Applications.

SPECIFICATIONS	PAC-TZ12B	PAC-TZ18B	PAC-TZ24B	PAC-TZ36AB	PAC-TZ60AB230	PAC-TZ60AB460
Cooling Capacity BTU/ HR ¹	11,900	17,300	28,300	41,000	76,500	77,500
Power Supply ²						
Volts/Phase/Hertz/Amps	115/1/60/15	115/1/60/15	208-230/1/60/20	208-230/1/60/30	208-230/1/60/60	460/3/60/20
Thermostat Control	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Total Power Consumption (kW)	1.4	1.4	3.0	4.5	8.9	9.7
Current Consumption (Amps)	11.9	12.0	13.2	19.7	38.7	12.2
Recommended Circuit Amps	15.0	15.0	20.0	30.0	60.0	20.0
NEMA Plug Type	5-15P	5-15P	6-20P	6-30P	Wired	Wired
Evaporator CFM, Free Discharge	350	500	750	1,200	2,300	2,300
Condenser CFM	500	1,000	1,000	1,500	3,900	3,900
Maximum ESP in WC	.10	.10	.10	.10	.50	.50
Maximum Duct Length (Ft.)	40	40	40	40	40	40
Operating Limits (min-max) °F	65-105	65-110	65-105	65-105	65-110	65-110
Sound Level (dB)	57	61	63	67	71	71
L x W x H (Inches)	28 x 19 x 38	28 x 22 x 46	29 x 28 x 41	30 x 28 x 51	42 x 30 x 70	42 x 30 x 70
Net Weight/Shipping Wt (Lbs)	163/205	221/279	251/305	336/395	650/685	650/685

1. Rating Conditions: 95°F at 60% RH. 2. Electrical Ratings based on UL484. All specifications are subject to change without notice.

Air Conditioner Accessories • Please call 1.800.779.3267 for more information.

Nozzle Kit optimizes the ability to direct cool air precisely where needed. Ceiling Discharge Kit allows condenser-air to be vented to the plenum area above a suspended ceiling. Condenser Return-Air-Plenum allows supply-air to be ducted to the condenser coil. Evaporator Return-Air-Plenum allows supply-air to be ducted to the evaporator coil. Supply-Duct Adapter allows user to connect duct work to unit's cold-air discharge. Condensate Pump Kit automatically removes evaporator-coil condensation allowing continuous operation.



Portable Evaporative Cooling



WayCool® Portable Evaporative "Spot" Cooler

Spot cool your deck, patio or work area with high performance, environmentally friendly WayCool® evaporative coolers. Blows cooled air in a high velocity, narrow stream to "spot cool" employees or customers; indoors and out!

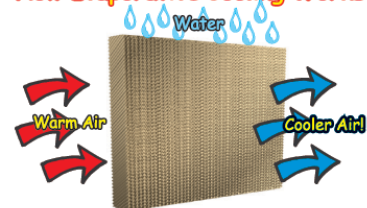
Features & Benefits

- Approximately 50% the price and 25% the energy consumption of the equivalent capacity compressed vapor portable air conditioner.
- **NEW!** Standard automatic shut-off prevents pump damage in case of low water level.
- All models have large on-board water reservoir and can be connected to a garden hose for continuous use.
- 1 Hp models come standard with an easy fill inlet and water gauge.
- High impact ABS plastic housing with heavy-duty aluminum frame and base.
- All models have heavy-duty, maintenance free, 2-speed motors.
- Fixed or oscillating outputs available.
- Chemically treated cellulose evaporative pads for long pad life.
- 1 Hp dimensions: Base 33" x 33" x 52" tall; 24 gallon reservoir.
- 1/3 Hp dimensions: Base 25" x 25" x 42" tall; 14 gallon reservoir.
- Two-year limited warranty.
- Made in the USA.

Options Available

- 1 Hp models available in gray: WCG-1HPMFA (excludes DHL model)
- Pneumatic wheels (WC-PWINSTALLED)
- Pads, water conditioner and cleaner products available. See page 23.
- **NEW! Inlet Air Filter option for all 1 Hp models.**
45 PPI open-cell polyurethane foam filter media rated UL 900 Class 2. Aluminum frame and Uni-grid support on one side. Available in sets of 4. See page 23
- **NEW! Rugged aluminum inlet grates for increased strength and durability.** See page 23.

How Evaporative Cooling Works



WC-1HPMFA



WCG-1HPMFA



WC-1HPMFA360

Model	Description	HP	Volts	Amps	CFM Hi-Lo	Velocity @ Outlet (mph)	Cooling** (Tons)	Cooling*** (Deg. F)
WC-1/3HPA	1/3 Hp WayCool® evaporative cooler with fixed direction air flow	1/3	115	5.9/5.0	1560/1320	21/18	1.5	14°F
WC-1/3HPAOSC	1/3 Hp WayCool® evaporative cooler with oscillating air flow	1/3	115	5.9/5.0	1560/1320	21/18	1.5	14°F
WC-1HPMFA	1 Hp WayCool® evaporative cooler with fixed direction air flow	1	115	10.4/5.8	3020/2040	27/19	4.0	20°F
WC-1HPMFAOSC	1 Hp WayCool® evaporative cooler with oscillating airflow	1	115	10.4/5.8	3020/2040	27/19	4.0	20°F
WC-1HPMFA360	1 Hp WayCool® evaporative cooler with 360 degree air flow	1	115	10.4/5.8	2460/1660	26/18	4.0	20°F
WC-1HP-DHL	1 Hp WayCool® designated hazardous location evaporative cooler	1	115	10.4/5.8	3020/2040	27/19	4.0	20°F

** Cooling in tons on Hi@90°F and 40% RH. *** Temperature drop (inlet temp-outlet temp) @ 90°F and 20% RH.
• 220V models available.



Portable Evaporative Cooling



PROK142-2HV

Pro-Kool® Portable Evaporative "Area" Cooler

Cool your factory, warehouse or greenhouse with high performance, environmentally friendly Pro-Kool® evaporative coolers from Schaefer. Blows large volumes of cooled air in a broad stream to "area cool" facilities and work areas.

Features & Benefits

- Approximately 25% the price and 10% the energy consumption of the equivalent capacity compressed vapor portable air conditioner.
- Rugged polyethylene, corrosion resistant housing.
- Heavy-duty, maintenance free, 2-speed motors.
- Large on-board water reservoir and can be connected to a garden hose for continuous use.
- Chemically treated cellulose evaporative pads for long pad life.
- Base Dimensions: 54" x 34.5" x 74"; 38 gallon reservoir.
- Two-year limited warranty.
- Made in the USA.

Pro-Kool® Evaporative Coolers can reduce air temperature by as much as 20°F!

Model	Description	Hp	Volts	Amps	CFM	Velocity @ Outlet (mph)	Cooling** (Tons)	Cooling*** (Deg. F)
PROK142-2HV	Pro-Kool® evaporative cooler, 42" high velocity fan	1	115	14.4/9.5	14,200 / 9400	16/10	13.5	15
PROK142-220V-60	Pro-Kool® evaporative cooler, 42" high velocity fan	1	220	10.1/9.5	14,200 / 9400	16/10	13.5	15

** Cooling in tons on Hi@90°F and 40% RH. *** Temperature drop (inlet temp-outlet temp) @ 90°F and 20% RH.

Portable Evaporative Cooler Accessories and Replacement Pads

Model	Description
VF-50	Versa-Filler™ water supply reservoir with 50 gallon tank
WC-CTAB	Evaporative cooler water conditioner treatment tabs / Blister pack of 10
WC-CLNR	Evaporative cooler cleaner / Case of 12 pint bottles
42PKPAD	42" Pro-Kool® evaporative pad • 48" tall pad - 4 required per unit
42PKPAD-R	42" Pro-Kool® evaporative pad • 54" tall pad - 4 required per unit
28PKPAD	28" Pro-Kool® evaporative pad • 3 required per unit
PROK28-PADSET	Pad set for 28" Pro-Kool® (3 pads 8" x 12" x 36")
PROK42-PADSET	Pad set for 42" Old style Pro-Kool® (4 pads 8" x 12" x 48")
PROK42R-PADSET	Pad set for 42" Pro-Kool® (4 pads 8" x 12" x 54")
WC-1/3FPAD	Full pad for WC-1/3HP - 4 full pads required for 1/3 Hp unit
WC-1/3HPAD	Half pad for WC-1/3HP - 4 half pads required for 1/3 Hp unit
WC-1/3HPPADSET	Complete replacement pad set for WC-1/3HP (4 full pads and 4 half pads)
WC-1HPPAD	Full pad for WC-1HP (8 full pads required for 1/3 Hp unit)
WC-1HPPADSET	Complete replacement pad set for WC-1HP (8 pads)
WC-1HPFIL	WayCool® inlet air filter option. Single filter - 23.63" x 23.63" x 0.3"
WC-1HPFILSET	WayCool® inlet air filter option. Set of four filters - 23.63" x 23.63" x 0.3"
WC-GRATESM-ASET	WayCool® aluminum grate inlet set (4) for WC-1/3HP
WC-GRATELG-ASET	WayCool® aluminum grate inlet set (4) for WC-1HP



NEW!

NEW!



Schaefer Wet Wall Evaporative Cooling System

Ideal for cooling animal confinement facilities, greenhouses, warehouses, factories and other large facilities. Schaefer's Wet Wall Evaporative Cooling Systems, in conjunction with Schaefer exhaust fans, provide up to 30°F of cooling for large volume buildings, from the evaporation of water from wet wall pads (evaporative media).

Features & Benefits

- Up to 30°F temperature drop across evaporative cooling pads.
- Standard wet wall lengths: 10' increments from 10' to 50'.
- Standard wet wall heights: 2' increments from 2' to 12'.
- Custom lengths and heights available.
- Choice of 4" and 6" pad thicknesses.
- Choice of uncoated, coated 1-side and coated 2-side pads.
- Up to 5-year pad life with proper pad maintenance.
- Long lived, no-leak, snap together PVC system components (supply line, spray line and reservoir).
- Choice of center-feed and end-feed water supply.
- Choice of 1 Hp and ¾ Hp Gould™ pumps; 110V or 220V.
- Single- or multi-stage automatic controls available.
- Easy to install, operate and maintain.
- Water that does not evaporate is re-cycled through the pads; no wasted water.
- Made in the USA.
- Call Schaefer at 1-800-779-3267 for Wet Wall design assistance.

Example Application:

Greenhouse: 200' long x 80' wide x 10' tall
1 air exchange/2 minutes = $200 \times 80 \times 10/2 = 80,000$ cfm

4" Pads: 250 cfm/square foot of pad for maximum cooling efficiency

$80,000/250 = 320$ square feet of pads required

Example Wet Wall Dimensions: 40' long x 8' tall (Part number: UC-EP-4-8-40)

6" Pads: 400 cfm/square foot of pad for maximum cooling efficiency

$80,000/400 = 200$ square feet of pads required

Example Wet Wall Dimensions: 40' long x 5' tall (Part number: UC-EP-6-5-40)
(Install Wet Wall facing the prevailing wind.)

Exhaust Fans:

80,000 cfm @ 0.05" SP

Example Exhaust Fan Selection:

6 x Schaefer model 425S34 slant wall exhaust fan @ 14,450 cfm = 86,700 cfm
(Install exhaust fans at opposite end of greenhouse from Wet Wall.)

Wet Wall Pads/ Evaporative Media

Used in Schaefer Wet Wall Cooling Systems and wet wall systems from other manufacturers.

Features & Benefits

- Fluted cellulose pads designed for maximum airflow, maximum evaporation, structural strength and long life.
- Choice of thicknesses: 2", 4", 6" and 8". Select thin pads for maximum airflow; select thick pads for maximum evaporation and cooling.
- Choice of widths: 12" or 24".
- Choice of lengths: 2', 3', 4', 5' and 6'.
- Choice of uncoated, 1-side coated and 2-side coated. Edge coating increases strength, permits contact and non-contact pad cleaning, slows algae growth and improves aesthetics.
- Frequently ships same-day.
- Made in the USA.

Evaporative Media Part Numbers

- Uncoated pads: **KU-T-W-L**
- One-side coated pads: **KC-T-W-L**
- Two-side coated pads: **KCBS-T-W-L**
- **T** = thickness in inches (2", 4", 6" or 8")
- **W** = width in inches (12" or 24")
- **L** = length in inches (24", 36", 48", 60" or 72")



Dairy Soaking System



Dairy Cattle Soaking Systems

Circulation fans cool cows that are soaked to the hide more effectively than dry cows. Schaefer's Dairy Cattle Soaking System soaks cows to the hide and, in conjunction with Schaefer circulation fans, lowers cow temperatures and increases reproductive rates and milk production.

Schaefer recommends showering the animals for a short period of time (0.5 to 3 minutes) while the cow is at the feed line or in its holding pen or while returning from milking, to soak the cow to the hide. After the shower shuts off, the water is evaporated from the cow by Schaefer circulation fans blowing across the cows' backs for 5 to 15 minutes before the cycle is repeated.

Features & Benefits

- Circulation fans & soaking is an extremely cost effective cow-cooling solution.
- High capacity, low pressure, large droplet soaker nozzles quickly soak cows to the hide.
- Systems can be designed for any dairy layout using standard components including controllers/timers, PVC piping, valves and filters, shower nozzles and check valves.
- Controllers operate on 110V or 220V and control from 1 to 4 zones.
- Sprinklers can be time activated or motion activated (e.g. when cows are returning from being milked).

Model Description

Controllers, Timers & Sensors

SS-C110S-110V	Smart mode control - Single zone 110V
SS-C110S-220V	Smart mode control - Single zone 220V
SS-C440S-110V	Smart mode control - 4 Zone 110V
SS-C440S-220V	Smart mode control - 4 Zone 220V
SS-T80-110V	Timer/cutout switch 0-80 min 110V
SS-T80-220V	Timer/cutout switch 0-80 min 220V
SS-CSDK-110V	Cool Sense single direction kit (110V)
SS-CSDK-220V	Cool Sense single direction kit (220V)

Valves

SS-EV	Electric valve 24 VAC, 1" FPT
SS-VFRKIT	Electric valve, filter & pressure reducer kit

Nozzles

SS-NCV2	Nozzle check valve 2 PSI cracking press.
SS-NCV5	Nozzle check valve 5 PSI cracking press.
SS-NB14QC-2	Nozzle body, 1/4 MPT x quick connect, 2 PSI
SS-NB14QC-8	Nozzle body, 1/4 MPT x quick connect, 8 PSI
SS-NB1QC-2	Nozzle body, 1" clamp-on x quick connect, 2 PSI
SS-NB1QC-8	Nozzle body, 1" clamp-on x quick connect, 8 PSI
SS-NCQC	Nozzle cap - quick connect with gasket & alignment notch
SS-SNT360-05	Shower nozzle tip, full circle, 0.5 gpm @ 40 PSI
SS-SNT360-10	Shower nozzle tip, full circle, 1.0 gpm @ 40 PSI
SS-SNT360-15	Shower nozzle tip, full circle, 1.5 gpm @ 40 PSI
SS-SN135-23	Shower nozzle, 135 degrees, 0.23 gpm
SS-SN135-50	Shower nozzle, 135 degrees, 0.50 gpm
SS-SN135-60	Shower nozzle, 135 degrees, 0.60 gpm
SS-SN135-85	Shower nozzle, 135 degrees, 0.85 gpm
SS-SN180-33MPT	Shower nozzle, half circle, 0.33 gpm, 1/2 MPT
SS-SN180-33	Shower nozzle, half circle, 0.33 gpm, 10-32
SS-SN180-35	Shower nozzle, half circle, 0.35 gpm adjustable, 10-32
SS-SN90-35	Shower nozzle, quarter circle, 0.35 gpm adjustable, 10-32
SS-SNK-440	i-Wob soaker nozzle kit for >40' pens, 4.4 gpm



Additional soaking system components available.

Please call Schaefer at 1.800.779.3267 for Soaking System design assistance.





HZS15120AG
"Square back"

HZE15120AF
"Curved Back"



HotZone®

Electric Infrared (Radiant) Heaters

Ideal for a wide variety of indoor and outdoor spot heat applications where gas heaters are inappropriate. These highly efficient electric infrared (also known as radiant) heaters, equipped with a lobster-inspired IRLens® to focus the heat to a spot, raise the temperature of people or objects in the spot by 15 degrees or more. Available as wall- or ceiling-mount heaters, as well as several portable heater models.

Heater Series	Style	Power	Mounts	Volts
Wall & Ceiling Mounted Heaters				
HZE15 Series	Curved back, powder coated	1500W	Universal, wall	120, 208 or 240V
HZE30 Series	Curved back, powder coated	3000W	Universal, wall	120, 208, 240, 277 or 480V
HZS15 Series	Square back, aluminum	1500W	Wall or ceiling	120, 208 or 240V
HZS30 Series	Square back, aluminum	3000W	Wall or ceiling	120, 208, 240, 277 or 480V
HZS50 Series	Square back, aluminum	5000W	Wall or ceiling	120, 208, 240, 277 or 480V
Portable Heaters				
HZS15120AG	Square back, aluminum	1500W	Tall pedestal	120
HZE15120AF	Curved back, aluminum	1500W	Floor stand	120



K-Series



HotZone®

Gas High Intensity Infrared Heaters

Gas high intensity radiant heaters deliver a large amount of radiant heat to a small area from a long distance. Available with standard lenses (for larger area heating) or HotZone® linear (an oval spot pattern) or circular spot IRLens® for more focused heating. Natural gas and propane heaters available. For indoor use only. Not recommended for home or garage use. Follow local regulations, particularly concerning venting. If used unvented, provide >4 cfm of makeup air per 1000 BTU.

Heater Series	Fuel	Power	Mounts	Control Voltage
HotZone® Linear Heaters	Propane (L) or Natural Gas (N)	70, 110 or 175 mBTU/hr	Chain	115V, 24V & Millivolt
HotZone® Spot Heaters	Propane (L) or Natural Gas (N)	35, 70 or 110 mBTU/hr	Chain	115V, 24V & Millivolt
K-Series Heaters	Propane (L) or Natural Gas (N)	30 – 200 mBTU/hr; 2-stage available	Chain	115V, 24V & Millivolt

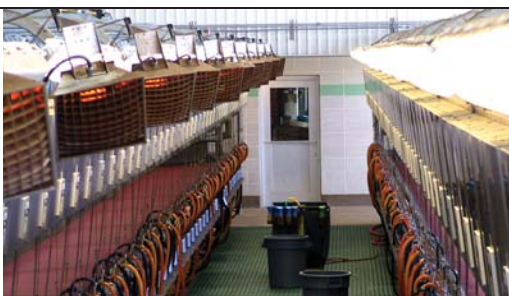


GQG/GQU

Gas Low Intensity Infrared Heaters

Low intensity tube heaters deliver a large amount of heat to a large area from overhead heaters. Ideal for factories, warehouses, arenas etc. that are not equipped with forced air heaters. People feel the same amount of comfort as with forced air heating at a 6°F to 10°F lower temperature set point. Easy to install. Inexpensive to operate. 40 mBTU/hr to 200 mBTU/hr models available. Straight tube lengths from 10' to 70'. U-tube lengths from 10' to 35'.

For heater design and selection assistance, please call Customer Care at 1.800.779.3267.





Electric Outdoor Radiant Porch/Patio Heaters

Our patented IRLens® focuses five times more infrared heat into the target area than heaters without the lens. This revolutionary design makes HotZone® the most energy-efficient and hottest infrared heater on the market today.

Features and Benefits

- Delivers focused radiant heat to a spot.
- Extremely low operating costs.
- Silent and attractive.
- Glows an attractive cherry red.
- Compact, lightweight and silent.
- Available in silver vein hammertone finish and special order colors.
- Long element life.
- Made in USA.



Model	Description*	Watts	Volts	Color	Cord Length
HZE15120SP	HotZone® Patio Radiant Heater with patented IRLens®	1500	120	Silver Vein	10'
HZE15120SW	HotZone® Wall Mount Radiant Heater with patented IRLens®	1500	120	Silver Vein	10'
HZE15120SU	HotZone® Universal Fixed Radiant Heater with patented IRLens®	1500	120	Silver Vein	N/A
HZE30120SU	HotZone® Universal Fixed Radiant Heater with patented IRLens®	3000	120/240	Silver Vein	N/A



Zubri Portable Heater

Extend your patio and tent use through the cooler seasons with portable radiant heaters. The Zubri™ Z1-12CK heats approximately a 300 square foot area. No tools are necessary to assemble. Stores away in its own hard-shell carrying case. Utilizes 20 lb. propane tank, not included. For outdoor use only.

- Portable; legs detach for storage and transport.
- Complete with hard-shell carrying case and carrying bag for reflector.
- 40,000 BTU/hour maximum; adjustable heat control.
- Tip switch.
- 7'3" tall, 49 lbs.

Z1-12CK

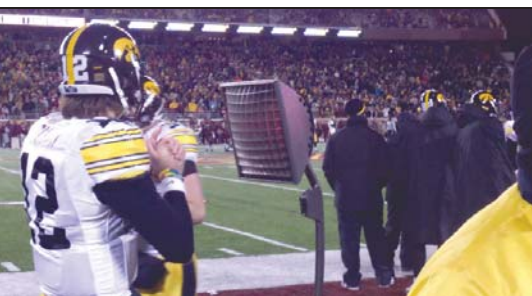


Compact Low Intensity Gas Heater

Innovative design features make the Compact Heater superior to any other in a range of applications and all kinds of weather. Constructed of corrosion resistant aluminized steel, its direct spark ignition, and no-exposed flame ensure years of trouble-free operation. The optional outdoor hood kit allows full operation in unprotected outdoor environments.

Model	Description	Dimensions
PCTH-N	Compact Gas Heater, Natural Gas, 20, 25, 30 MBTUH (Field Adjustable)	24" wide x 48" long x 6" deep
PCTH-L	Compact Gas Heater, LP/Propane, 22, 26, 28 MBTUH (Field Adjustable)	24" wide x 48" long x 6" deep





Other powers, voltages and designs available, [please call Customer Care at 1.800.779.3267](tel:18007793267).





Fan and Heater Controls

Schaefer offers a broad range of sensors and manual and automatic controls to allow dairymen, greenhouse operators, plant managers and others to control fans and heaters and optimize thermal comfort in their facilities. Brief descriptions of Schaefer's most popular controls and sensors are provided below. Other controls and sensors are available.




For more information please visit: www.schaeferfan.com

Model	Description
Speed Controls	
 AVS-500	AVS-500 Temperature based Automatic Variable Speed control in water and corrosion resistant container with adjustable idle speed, adjustable temperature differential, automatic shutoff and RFI filter; 10A @ 115/230V output.
 AVS-550	AVS-550 Temperature based Automatic Variable Speed control in water and corrosion resistant container with adjustable idle speed, adjustable temperature differential, automatic shutoff, digital display and RFI filter; 10A @ 115/230V output.
 AVS-650	AVS-650 Temperature based Automatic Variable Speed control in water and corrosion resistant container with adjustable idle speed, adjustable temperature differential, automatic shutoff, heater interlock, digital display and RFI filter; 10A @ 115/230V output.
 MTC-300	MTC-300 Temperature based Automatic Variable Speed control in water and corrosion resistant container with adjustable idle speed, adjustable temperature differential, and RFI filter; 10A @ 115/230V output.
	H-115 Manual Variable Speed Control with RFI filter in water and corrosion resistant container; 6A @ 115V output.
	H-230 Manual Variable Speed Control with RFI filter in water and corrosion resistant container; 6A @ 230V output.
	MSC-400 Manual Variable Speed Control with on/off toggle switch and RFI filter in non-corrosive container; 12.5A @ 115/230V output.

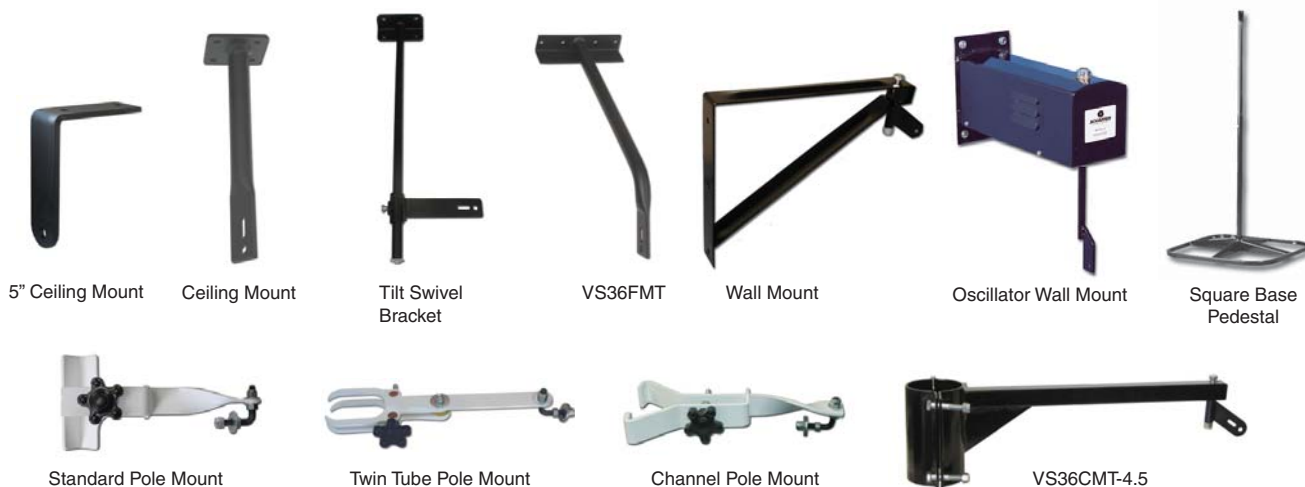
Thermostats and Switches

 TF115	FS-20 Manual Switch for 2-speed motors with heavy duty toggle switch in water and corrosion resistant container.
 TH109	TF115 1-Stage Thermostat Switch, 40°F to 110°F with 3° differential, NEMA 4x, UL E50023; 16A @ 120V, 12A @ 240V, 10A @ 277V.
	T335 1-Stage Thermostat Switch, 40°F to 102°F with 2.7° differential, weatherproof enclosure; 12A @ 120V, 10A @ 240V; imported.
	TH109 2-Stage Thermostat Switch, 40°F to 100°F with 3° differential, NEMA 4x, UL E50023; 16A @ 120V, 12A @ 240V, 10A @ 277V.

Programmable Controllers

 SEC-HD	NVC Natural Ventilation Control with 2 relay stages (open/close); adjustable temperature set-point and differential; manual override; LED display; corrosion, water and fire resistant enclosure; CSA approved; 6A @ 115/230V (relay stages).
 PEC-PLUS	TVS 3-Stage Environmental Control with 2 variable stages and 1 relay stages plus 1 alarm relay; 7 configurable programs; adjustable temperature set-point, differential and hi/lo alert settings; LED display; corrosion, water and fire resistant enclosure; CSA approved; 7.5A @ 115/230V (variable stages) and 6A @ 115/230V (relay stage).
 SUPRA	SEC-HD 5-Stage Environmental Control with 2 variable stages and 3 relay stages plus 1 alarm relay; 7 configurable programs; adjustable temperature set-point, differential and hi/lo alert settings; LED display; corrosion, water and fire resistant enclosure; CSA approved; 10A @ 115/230V (variable stages) and 6A @ 115/230V (relay stages).
	PEC-PLUS 8-Stage Environmental Control with 2 variable stages and 6 relay stages plus 1 alarm relay; programmable; adjustable temperature set-point, differential and hi/lo alert settings; LED display; corrosion, water and fire resistant enclosure; CSA approved; 10A @ 115/230V (variable stages) and 10A @ 115/230V (relay stages).
	SUPRA 16-Stage Environmental Control with 4 variable stages and 12 relay stages plus 1 alarm relay; programmable; adjustable temperature set-point, differential and hi/lo alert settings; humidity and water use monitoring; 4-line LCD display; corrosion, water and fire resistant enclosure; CSA approved; 10A @ 115/230V (variable stages) and 10A @ 115/230V (relay stages).

Mounting Accessories

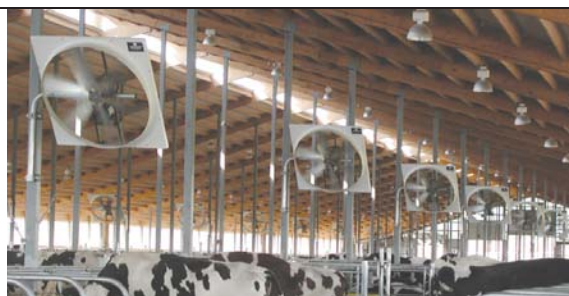


Fan Mount Accessories

Model	Description	Fan Size
VS12SPM	Standard pole mount for common round 2 to 2-1/2" poles.	12" tent fan
VS12TPM	Twin tube pole mount for use on twin tube systems.	12" tent fan
VS12CPM	Channel pole mount for use on pole with large keeder channels.	12" tent fan
VS12FMT	Ceiling mount 5" length	12"
VS20FMT	Ceiling mount 8" length	20"
VS24FMT	Ceiling mount 10" length	24" - 30"
VSCK-MT	Ceiling mount 10" length	30" & smaller
VS30FMT-SS	Ceiling mount - stainless steel 13-1/2" length	24" - 30"
VS36FMT	Ceiling mount 18" length	30" - 36"
TSB-100	Tilt swivel bracket 24" length	12" - 24"
TSB-200	Tilt swivel bracket 31" length	30" - 36"
VS2024WMT	Wall mount 12-1/2" high x 18-1/2" deep	24" & smaller
VS36WMT	Wall mount 18" high x 26-1/4" deep	36" & smaller
UWMT	Universal wall mount 14-1/4" high X 23-1/4" deep	36" & smaller
UWMT-SS	Universal wall mount - stainless steel 14-1/4" high X 23-1/4" deep	36" & smaller
VS2024OSC	Oscillator wall mount 5-1/4" wide x 16" length	30" & smaller
VS2430FC	Fan cart 33" high x 29-1/4" deep	20" - 30" CFO fans
VS2430FP	Floor pedestal 32" square base, approx. 42" - 72" high	20" - 36" CFO fans (Regular & Osc.)
VS2430FPR	Floor pedestal 30" round base, approx. 42" - 72" high	36" CFO fans (Regular & Osc.)
VS2430FPR-E	Economy floor pedestal 27" square base, approx. 43-1/2" - 57-1/2" high	20" - 30" CFO fans (Regular & Osc.)

Panel Fan Mounts

VS36CMT-4.5	Galvanized fan mount for basket fans with 4-1/2" collar for round columns. Also available with 6-1/2" collar.
PanelCMTKIT	Galvanized fan mount for panel fans with 4" collar for round columns plus hardware for fan attachment.
PanelIPM	Galvanized fan mount with 90 degree bend for mounting panel fans to post.
PanelIPM-UKIT	Galvanized fan mount with 90 degree bend for mounting panel fans to post including brackets and hardware.



Fan Blades and Guards

Blades

Aluminum Blades	Fan Model #
AFB-105SF	SFT-1200
AFB-123SQ	VS/VT/VK12
AFB-144SF	SFT-1600
AFB-184SF	SFT-2000
AFB-2000SQ	20CFO
AFB-203SQ	VS/VT/VK20
AFB-203SQ-58	VT/VK20-3
AFB-2400SQ	24CFO
AFB-243SQ	VS/VT/VK24
AFB-3000SQ	30CFO
AFB-3600	36CFO
AFB-8	VS/VT/VK8

Cast Aluminum Blades

CAFB-523	52" Panel & Exhaust
----------	---------------------

Polypropylene Blades

PFB-126	PFM1200
PFB-163	PFM1600
PFB-203	PFM2000
PFB-203-58	20CFO-EWDP
PFB-204	VT/VK20-PHV
PFB-244	PFM2400, 24CFO-(X)WDP*
PFB-906	PFM-0900

Stainless Steel Blades	Fan Model #
SSFB-243-58	24CFO-(X)WDS*
SSFB-283	PROK28
SSFB-363	FM3690-1S
SSFB-483	FMN4800-XS
SSFB-526	52" Panel & Exhaust

Galvanized Blades

GFB-363	36DF, VK36, VS36VK(X)* & others
GFB-363-20	VS36VK(X)*
GFB-363HV	36" HV
GFB-363P	36" Panel & Exhaust
GFB-365	36" Panel & Exhaust
GFB-423P	42" Panel & Exhaust
GFB-425	42" Panel & Exhaust
GFB-483P	48" Panel & Exhaust
GFB-483P-H	48" Panel & Exhaust
GFB-486	48" Panel & Exhaust
GFB-52123	52" Panel & Exhaust
GFB-523P	52" Panel & Exhaust
GFB-525P	52" Panel & Exhaust

*(X) placeholder for various model descriptions.

For blade dimensions and specifications, please visit www.schaeferfan.com or call Customer Care at 1.800.779.3267.

Guards

Fan Size & Color	Versa-Kool®	Direct Flow & Workhorse	OSHA Circulation	Cone Exhaust	FM Exhaust	Shutter	Pro-Kool®
8" White	8PTB						
9" Exhaust					9FG		
12" Exhaust					12FG	12SFGT	
12" White	12PTB	12WHB					
12" Galvanized	12GTB						
12" Stainless Steel			12BGO-SSU				
16" Exhaust					16FG	16SFGT	
16" Stainless Steel			16BGO-SSU				
20" Exhaust					20FG	20SFGT	
20" White	20PTB	20WHB	20BGO				
20" Black	20PTB-B		20BGO-B				
20" Galvanized	20GTB						
20" Stainless Steel			20BGO-SSU				
24" Exhaust					24FG		
24" White	24PTB		24BGO				
24" Black	24PTB-B	24WHB-B	24BGO-B				
24" Stainless Steel			24BGO-SSU				
28" Pro-Kool							28PKFG
30" White			30BGO				
30" Black			30BGO-B				
30" Stainless Steel			30BGO-SSU				
36" Exhaust					36FGN		
36" White OSHA	36VKBO	36WHBG	36BGO				
36" White non-OSHA	36BKB						
36" Black OSHA	36VKO-B		36BGO-B				
36" Black non-OSHA	36BKB-B						
42" Pro-Kool							42PKFG
48" Exhaust					48FGN		
52" Exhaust				48CG	52FGN		
57" Exhaust				10005-57EF			

- Numbers above are for back guards. For front guards, replace the "B" in the P/N with an "F."
- Schaefer recommends buying complete replacement guard sets to ensure fit. Call for part numbers.

Other styles and sizes available, please call Customer Care at 1.800.779.3267.



Motors



Stud
Mount
Style



Yoke
Mount
Style



Base
Mount
Style

Model	HP	RPM	Volts	Label Amps	Service Factor	NEMA Frame Size	Shaft Dimensions Diameter x Length
Stud Mount Motors							
CS100	1/100	1550	115	0.6	1.00	3.3"	1/4" x 1-1/2"
CS130	1/30	1550	115	0.9	1.00	3.3"	5/16" x 1-3/4"
CS110	1/10	1725	115/230	1.3/.65	1.00	42	1/2" x 2-5/8"
Yoke Mount Motors							
CS240	1/4 • 2-speed	1100/800	115	2.9	1.00	48	1/2" x 2-9/16"
CS103	1/3	1725	115/230	3.8/1.9	1.00	48	1/2" x 2-1/2"
CS103WD	1/3	1700	115/230	4.9/2.5	1.00	48	1/2" x 2"
CS103WD-3	1/3 • 3-phase	1725	208-230/460	1.9-1.8/0.9	1.0	48	1/2" x 2"
CS102WD	1/2	1725	115/208-230	7.4/4.3-3.7	1.0	48 SF 1.25	1/2" x 2-1/4"
CS102WD-3	1/2 • 3-phase	1725	208-230/460	2.5-2.0/1.0	1.0	56	1/2" x 2-1/4"
CS102SSL-3	1/2 • 3-phase	1740	208-230/460	1.5-1.6/0.8	1.0	56	5/8" x 2-1/16"
CS102SSL	1/2	1725	115/230	8.2/4.1	1.0	56	5/8" X 2-1/16"
CS102	1/2	1725	115/230	4.8/2.4	1.0	48	5/8" x 2-1/2"
CS123	1/2 • 3-phase	1750	230/460	1.0/0.5	1.0	48	5/8" x 2-1/2"
CS300	1/2 • 2-speed	1100/800	115	5.2	1.0	48	1/2" x 3-3/16"
CS850	1/2	840	220-240@50Hz	2.7	1.0	48	5/8" x 2-3/4"
CS802	1/2	825	115/230	6.0/3.5	1.0	48	5/8" x 2-5/8"
CS803	1/2 • 3-phase	825	230/460	2.6/1.3	1.0	48	5/8" x 2-3/4"
Base Mount Motors							
CS580*	1/2	1725	115/230	6.4/3.2	1.0	56	5/8" x 1-7/8"
CS202*	1/2 • 2-speed	1725/1140	115	6.0/3.0	1.0	56	5/8" x 1-7/8"
CS342*	3/4 • 2-speed	1725/1140	115	9.3/5.3	1.0	56	5/8" x 1-7/8"
CS423	3/4 • 3-phase	1725	200-230/460	2.3-2.4/1.2	1.15	56	5/8" x 1-7/8"
CS421*	3/4	1725	115/230	7.8/3.9	1.25	56	5/8" x 1-7/8"
CS782*	1	1725	115/230	8.4/4.2	1.40	56	5/8" x 1-7/8"
CS596	1 • 2-speed	1725	115	11.4/6.4	1.00	56	5/8" x 1-7/8"
CS524T	1 • 3-phase	1725	200-230/460	3.3-3.4/1.7	1.30	56	5/8" x 1-7/8"
CS535T	1-1/2 • 3-phase	1725	208-230/460	5.0-4.9/2.5	1.15	56	5/8" x 1-7/8"
CS594-220*	1-1/2	1725	208-230	6.7-6.2	1.20	56	5/8" x 1-7/8"

*Reversible.

• Currents and RPM's are manufacturer's ratings. Actual performance readings may vary.

Other powers, voltages and designs available, [please call Customer Care at 1.800.779.3267](tel:18007793267).



Schaefer Limited Warranty Policy

Schaefer Ventilation Equipment, LLC (SVE) provides the following limited warranty from the date of invoice to the initial purchaser of our products or to its customer with a dated proof of purchase:

- I. Two-year coverage (unless otherwise indicated below) applies to all products, components and assemblies provided by SVE that prove to be defective in material or workmanship. Any such defective product will be repaired or replaced at SVE's option, with the defective product or component returned, upon approval, to SVE, F.O.B Sauk Rapids, Minnesota.
- II. This warranty does not cover:
 - a. Failure, damage or malfunction as a result of:
 - i. Improper installation or installation not in accordance with installation instructions.
 - ii. Operating conditions that vary from SVE's operating instructions.
 - iii. Misuse, abuse, negligence, alteration, or accident.
 - iv. Transporting the product.
 - v. Improper operation or lack of appropriate or regular maintenance of the product.
 - b. Loss of time, inconvenience, loss of use of the product or other consequential or incidental damages.
 - c. Parts that need replacement due to normal wear and tear.
 - d. Superficial or cosmetic rust or corrosion.
 - e. Any product whose name plate has been removed.

Products with warranty periods that differ from the standard 2-year warranty are as follows:

- Polyethylene Housings 25 years
- Fiberglass Housings 15 years
- Low-intensity Tube Heater Exchange Tubes 5 years
- Washdown Fans with VWD motors 3 years
- K-Series, 2-Stage, Compact and Stainless Steel Tube Heaters 1 year
- Zubri™ Heaters 1 year
- Big Dog® Fans 1 year
- Shutter Motors and Aluminum Riveted Fan Blades 1 year
- Washdown Fans with EWD motors 1 year
- Evaporative Cooling Pads 180 days
- HotZone® Electric Elements 120 days
- Quartz Heater Bulbs 90 days
- Tuff & Gusty™ Fans 90 days
- Any product or part as noted as an exception to the standard two-year warranty in the product's operating manual.

Schaefer Ventilation reserves the right to add or delete products from this exception list at any time.

THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS OF USE.

Schaefer Ventilation reserves the right to change product design and specification without prior notice or liability.

The above constitutes the sole warranty offered by Schaefer Ventilation Equipment, LLC.

All information, illustrations and specifications in this catalog are based on the latest product information available at the time of printing.

- Product specifications subject to change without notice.

©2011 Schaefer Ventilation Equipment 3-2011. All rights reserved.



**Reliable &
Energy Efficient
Ventilation
and Thermal
Comfort Solutions**



www.schaeferfan.com
1.800.779.3267



Celebrating
60 Years
of Product & Service
Excellence